

19981117.qrp v01_n279.qrs.981117

Date: Tue, 17 Nov 1998 19:03:21 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1279

QRP-L Digest 1279

Topics covered in this issue include:

- 1) [25233] FS: OHR - 20
by Dan Copeland <dcopeland@wwn.net>
- 2) [25234] FS: 38S
by Ed <edn4pk@voyageronline.net>
- 3) [25235] QRP Shack
by Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
- 4) [25236] Tabulated: HW-9 Value
by Bill Robbins <billrobb@net-link.net>
- 5) [25237] Re: Small transmitting loop results (long)
by "david r" <elbc@pivot.net>
- 6) [25238] Re: antenna that looks like a tv
by Chuck Carpenter <w5usj@webwide.net>
- 7) [25239] More Small Loop info
by Pete Burbank <plburbank@kih.net>
- 8) [25240] Re: Small transmitting loop results (long)
by "Steve Yates, AA5TB" <aa5tb@swbell.net>
- 9) [25241] Re: DIY DSP (was: Audio Phase Shifters...)
by Rob Frohne <frohro@wwc.edu>
- 10) [25242] Keps for Sputnik 41, RS18
by "Steve Yates, AA5TB" <aa5tb@swbell.net>
- 11) [25243] 1340 for sale
by penzo@juno.com (Michael A Penzo)
- 12) [25244] Re: ZN415
by Ed Tanton <n4xy@att.net>
- 13) [25245] Re: 9 Days Until LI/NJ-QRP Doghouse Operation Sprint - Long, semi-coherent, but not subject to the lapses of language or mental
by Joe Everhart <n2cx@voicenet.com>
- 14) [25246] Looking for DX394
by Pete Meier <pmeier@tir.com>
- 15) [25247] T+ FOX Reminder!
by MKBalvanz@aol.com
- 16) [25248] AE4GX Tandy102 Logger/Keyer RELEASE log005 (long)
by Sam Billingsley <SBillingsley@usaninc.com>
- 17) [25249] ? who had the software to make qrp-qsl cards at home?
by "GREGORY HEATH" <KB2QQM@email.msn.com>
- 18) [25250] First wallpaper.
by we6w@juno.com (Ed Loranger)

- 19) [25251] Re: First wallpaper.
by Monte Stark <ku7y@dri.edu>
- 20) [25252] Re: QRP Shack
by we6w@juno.com (Ed Loranger)
- 21) [25253] ZM-2 and Cap replacement
by Tim Pettibone <tpettibo@NMSU.Edu>
- 22) [25254] Re: First wallpaper.
by we6w@juno.com (Ed Loranger)
- 23) [25255] Re: Beacon Summary - Carolina's QRP-Fest
by "Bill Todd" <bill@willapabay.org>
- 24) [25256] Re: NiCad battery-drain equalizer idea
by Mark McPherson <markm@teleport.com>
- 25) [25257] LEONIDS!!
by Brad Bradfield <b_bradfield@yahoo.com>
- 26) [25258] G3RJV Six Pack of kits
by Dick G0BPS <Dick@kanga.demon.co.uk>
- 27) [25259] Re: LEONIDS!!
by Conard Murray <ws4s@InfoAve.Net>
- 28) [25260] Battery Pak for ICOM IC-02AT NOT QRP
by KF4LTT@aol.com
- 29) [25261] FOX - Taking the week off
by Brian Murrey <brian@iquest.net>
- 30) [25262] Bobtail Curtain
by "Joiner, Randy - LYSBB" <JoinerR@avionics2.robins.af.mil>
- 31) [25263] A half dozen Pacificon pix on web
by mike czuhajewski <wa8mcq@erols.com>
- 32) [25264] Re: First wallpaper.
by Scott Howell <whowell@hq.nasa.gov>
- 33) [25265] Re: Looking for DX394
by Ben Pooley <bpooley@bar.auracom.com>
- 34) [25266] N/T+ fox - 2nd notice for Wednesday
by "JEFFREY MICHAEL POULIN" <jpoulin@erols.com>
- 35) [25267] Early Morning Fox
by DENNISMO@aol.com
- 36) [25268] Re: STL varicap question
by applitech@mcg.net (Claton Cadmus)
- 37) [25269] FOX: Final Notice--AB0GO--18 Nov 0200 UTC
by Dave Ek <ekdave@earthlink.net>
- 38) [25270] Wallpaper
by "Lawrence T. Owens" <w4dec@dibbs.net>
- 39) [25271] A great QRP Story for ARRL members!
by Jeff Grudin <grudin@pacific.vdbs.com>
- 40) [25272] Re: LEONIDS!!... neo lids? :-)
by Tim Ahrens <tahrens@inetport.com>
- 41) [25273] Re: Keps for Sputnik 41, RS18
by applitech@mcg.net (Claton Cadmus)
- 42) [25274] Re: LEONIDS!!
by Paul Harden <pharden@aoc.nrao.edu>

- 43) [25275] LEONIDS
by Brad Bradfield <b_bradfield@yahoo.com>
- 44) [25276] Re: A half dozen Pacificon pix on web
by Jim Larsen AL7FS <larsennc@alaska.net>
- 45) [25277] Re: Leonids from DM65
by jaywa5whn@juno.com
- 46) [25278] QRP and ears
by Tom McCuen <tjmc@erols.com>
- 47) [25279] Fox: fox log, stardate 11 November, K1MG, finally
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 48) [25280] Re: LEONIDS
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 49) [25281] Re: LEONIDS
by Bob Patten <n4bp@bc.seflin.org>
- 50) [25282] Parts, stocking up, etc.
by Jim Glover <psykey@okcforum.org>
- 51) [25283] (fwd) Re: [CQ-Contest] CW speed - send vs. copy - and QRP
by mwattcpa@earthlink.net (Marty Watt)
- 52) [25284] Re: question on shortcuts in cw
by Al Gritzmacher <ae2t@bigfoot.com>
- 53) [25285] Mobile QRP.....HELP
by ab5uacw@juno.com (Clifton W Sikes)
- 54) [25286] Re: Parts, stocking up, etc.
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 55) [25287] FOX: Thursday fox
by walt-k8cv@juno.com (Walter D Amos)
- 56) [25288] Re: Rig case idea
by "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>
- 57) [25289] Re: Parts, stocking up, etc.
by Lou Martin <lmartin@uswest.net>
- 58) [25290] Fox: N/T fox try. Band Report
by we6w@juno.com (Ed Loranger)
- 59) [25291] Re: question on shortcuts in cw
by Chuck Carpenter <w5usj@webwide.net>
- 60) [25292] 38 Special "Toy Rig"
by Ed Manuel <n5em@flash.net>
- 61) [25293] Re: Fox: fox log, stardate 11 November, K1MG, finally
by Bruce Rattray <rattray@gpfn.sk.ca>
- 62) [25294] Re: Mobile QRP.....HELP
by DENNISMO@aol.com
- 63) [25295] Re: Fox: fox log, stardate 11 November, K1MG, finally
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 64) [25296] FOX: Teams lineup (fwd)
by Bruce Rattray <rattray@gpfn.sk.ca>
- 65) [25297] FOX: Team scores (fwd)
by Bruce Rattray <rattray@gpfn.sk.ca>
- 66) [25298] Re: 11-2-10 Kit Status
by Steven Weber <kd1jv@moose.ncia.net>

- 67) [25299] a big thanks to everybody/qsl maker
by "GREGORY HEATH" <KB2QQM@email.msn.com>
- 68) [25300] Re: question on shortcuts in cw
by Richard <kt4or@qsl.net>
- 69) [25301] Re: QRP and ears
by "Kevin F. Glynn" <kfglynn@prodigy.net>
- 70) [25302] 4 Days Until LI/NJ-QRP Doghouse Operation Sprint
by "Kevin F. Glynn" <kfglynn@prodigy.net>
- 71) [25303] ZN414
by "Brad Hernlem" <alihernlem@hotmail.com>
- 72) [25304] Re: QRP and ears
by John Bohnert <johnb@elmhurst.edu>
- 73) [25305] Yaesu FT-7 as QRP Rig
by James P Rybak <jrybak@mesa7.mesa.colorado.edu>
- 74) [25306] DSP - Can mere mortals do it?
by "Adam B. Kanis" <adam-kanis@uiowa.edu>
- 75) [25307] Re: a big thanks to everyone for the QSL maker-whoops
by "GREGORY HEATH" <KB2QQM@email.msn.com>
- 76) [25308] A Tunable All-Band HF Camp/Mobile Antenna
by Larry Cruise <Larry.Cruise@mci.com>
- 77) [25309] FOX: Team scores (fwd)
by Bruce Rattray <rattray@gpfn.sk.ca>
- 78) [25310] Re: LEONIDS!!
by "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>
- 79) [25311] QRP Contests
by k7sz@epix.net
- 80) [25312] QRP Regional Club Net Schedules
by k7sz@epix.net
- 81) [25313] RE: QRP Regional Club Net Schedules
by Sam Billingsley <SBillingsley@usaninc.com>
- 82) [25314] RE: QRP Regional Club Net Schedules
by Jim Knopf <ki7q@yahoo.com>
- 83) [25315] Re: DSP - Can mere mortals do it?
by Rob Frohne <frohro@wwc.edu>
- 84) [25316] Re: DSP - Can mere mortals do it? WARNING: LONG!
by "Robert P. Okas" <vintage@best.com>

Date: Mon, 16 Nov 1998 18:17:40 -0600
From: Dan Copeland <dcopeland@wwn.net>
To: qrp-l@Lehigh.EDU
Subject: [25233] FS: OHR - 20
Message-ID: <00082179616020@wwn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Ok guys I still have a OHR-100A 20m version. It was

built in May for the QRPTTF contest and works great.
\$100 shipped conus.
Daniel Copeland KF00V
dcoeland@wwn.net

QCWA Webmaster* ARRL-life member* QRP-L 1004
ARCI - 9670, Norcal 38S, MFJ 9040, OHR 100A/20
<http://www.qcwa.org> | <http://www.dcoeland.com>
"I want to die peacefully in my sleep like my grandfather,
not screaming in terror like his passengers."

Date: Mon, 16 Nov 1998 19:36:48 -0500
From: Ed <edn4pk@voyageronline.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25234] FS: 38S
Message-ID: <3650C520.CB3E81CF@voyageronline.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Need to find this a good home. Populated board only. 5 watt mod. No
off board components. The 38s works just fine. Needed the case for
another project. Excess to my needs. Asking \$45 OBO
Ed W3NR

Date: Mon, 16 Nov 1998 16:42:01 -0800 (PST)
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
To: QRP-L@lehigh.edu
Subject: [25235] QRP Shack
Message-ID: <199811170042.QAA18124@netcom14.netcom.com>

My shack, and shop are in a pretty small space (I know others have
smaller), and I want to maximize the usefulness of that space by
building a piece of furniture to handle the computer and the rigs.
I'm looking for plans or books that could help with this.

I want it to fit in the corner, so I have lots of room for my legs
when on the computer, and can use a larger monitor, since my eyes are
going; have shelves for the radios and stuff; and be on wheels so that
I can get behind it for connecting things up, without sacrificing that
space permanently.

Alternatively, pointers to someone in the SF Bay Area who can build

such an item for me would also be appreciated.
73, doug

Date: Mon, 16 Nov 1998 19:50:41 -0500
From: Bill Robbins <billrobb@net-link.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [25236] Tabulated: HW-9 Value
Message-ID: <3.0.6.32.19981116195041.007b13f0@serv01.net-link.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I received several comments about the HW-9. Several members gave ranges of value and some gave specifics. The following are those that gave specific amounts. I think I got them all.

\$150
\$225
\$250
\$300
\$350

If I forgot yours or lost it, I apologize.

Thanks to all

73 de Bill

Group:

I attended a hamfest this past weekend and took an Heathkit HW-9 with the optional WARC bandpack. It is about a 8.5 on the 10 scale and works very well.

I received several comments from prospective buyers about value and I was wondering if I could please solicit the help of this group to determine the value.

I will hold off on telling you my asking price. And, I do realize that hamfest buyers will bad-mouth to drive down the price. I also realize that I could have been wrong....blah, blah blah!!

What do you think??!!

Thanks de Bill

Heathkit Collector
WA8CDU Formally WN8CDU

Heathkit Collector
WA8CDU Formally WN8CDU

Date: Mon, 16 Nov 1998 19:52:15 -0500
From: "david r" <elbc@pivot.net>
To: <kenk@primenet.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [25237] Re: Small transmitting loop results (long)
Message-ID: <001f01be11c4\$87e13c60\$f81199d0@elbc>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: Ken Knecht <kenk@primenet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Monday, November 16, 1998 1:52 PM
Subject: Re: Small transmitting loop results (long)

>Evidently I hit the delete key when I shouldn't have and missed earlier
>discussions on this subject.
>
>Where can I get info on these small loops that are being discussed? Book?
>Web site? Magazine article? Design info anywhere? I've read that these
>antennas have extremely low resistance, and that it's not a good idea to
>use conventional air-variable capacitors, and to keep soldered or other
>joints to a minimum for that reason. Sounds like they'd be hard to
>construct for a fumbler like me. But I can't afford the prices for those
>already built.
>
>72, Ken W(NPP
>
Hi ken,

Here a great page on the stl's .. good luck I built one several years ago ,
it worked amazingly well for the size..

http://gallery.uunet.be/ON4CEQ/ant_en.htm
73 dave kc1di /qrp-l 975

Date: Mon, 16 Nov 1998 19:08:29 -0600
From: Chuck Carpenter <w5usj@webwide.net>
To: whowell@hq.nasa.gov, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [25238] Re: antenna that looks like a tv
Message-ID: <3.0.1.32.19981116190829.0069fd2c@mail.webwide.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Scott,

I've worked several VHF stations, 6 and 2 mtrs, that were using the log periodic type TV antennas. I'd say that some of the high band HF log periodics would look enough like a TV antenna to pass the restriction criteria.

72/73, Chuck, W5USJ, Point, TX EM22cv -- ARCI #5422 QRP-L #1306

Date: Mon, 16 Nov 1998 20:12:56 -0500
From: Pete Burbank <plburbank@kih.net>
To: <qrp-l@Lehigh.EDU>
Subject: [25239] More Small Loop info
Message-ID: <3.0.32.19981116201252.006cec20@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The June 1986 QST article by Ted Hart has a wealth of info on small transmitting loops including sizing for frequency desired, materials and construction details, matching, a discussion on the capacitor and mounting. He also has written a book on STLs available from AntennaX.

73 Pete W4VCT
Just south of Nonesuch, Ky.

Date: Mon, 16 Nov 1998 19:49:49 -0600
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: kenk@primenet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25240] Re: Small transmitting loop results (long)

Message-ID: <3650D63D.8AA95EF6@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ken W(NPP,

I have a bunch of information on one of my web pages about small transmitting loops. The URL is:

<http://home.swbell.net/aa5tb/loop.html>

-- --

KC5TJA/6,

I've been experimenting with small transmitting loops for many years. When built properly and understood, they can perform well. This is especially true if you have no room for a large antenna. If you can put up a full size antenna and want the best performance, then by all means do so. A small loop isn't going to out perform a full size antenna at 50 feet but place both antennas at 3 foot in your bedroom and see which performs better. Small loops are a lot fun but can be a lot of frustration as well if you aren't aware of the possible pitfalls and why they work.

73,
Steve Yates
AA5TB
aa5tb@swbell.net
<http://home.swbell.net/aa5tb/>
Fort Worth, Texas

Date: Mon, 16 Nov 1998 18:07:46 -0800 (PST)
From: Rob Frohne <frohro@wwc.edu>
To: lha@sdr.utias.utoronto.ca
Cc: qrp-1@Lehigh.EDU
Subject: [25241] Re: DIY DSP (was: Audio Phase Shifters...)
Message-ID: <199811170207.SAA05863@shuksan.wwc>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Laura & the group,

If you are interested in using a DSP as the demodulator for the R2 receiver, or mini-R2, you might want to check out my article in April 1998 QST. It is also available on my web site at:

<http://www.wwc.edu/~frohro/R2-DSP.html>

72 & 73,

Rob, KL7NA/W7

Rob Frohne
E. F. Cross School of Engineering, Walla Walla College
Phone: (509) 527-2075 FAX: (509) 527-2867
Internet e-mail: frohro@wwc.edu

Date: Mon, 16 Nov 1998 20:27:29 -0600
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: QRP-L Distribute <qrp-l@Lehigh.EDU>
Subject: [25242] Keps for Sputnik 41, RS18
Message-ID: <3650DF11.59D7B296@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

These elements seem to work good for Sputnik 41:

RS-18
1 25533U 98062C 98320.01181243 .00135067 00000-0 98424-3 0 22
2 25533 51.6649 354.9517 0008572 347.6107 12.4565 15.72320450 737

These are the first set of elements from the e-mail referenced below.

73,
Steve Yates
AA5TB
aa5tb@swbell.net
<http://home.swbell.net/aa5tb/>
Fort Worth, Texas

-- --

There are five [unidentified] recently cataloged satellites associated with Mir. The first object (catalog # 25533) is a piece associated with the

Progress M-40. If Sputnik 41 / RS-18 was carried to orbit from Progress M-40, these could be its Keps.

UNK

1	25533U	98062C	98320.01181243	.00135067	00000-0	98424-3 0	22
2	25533	51.6649	354.9517	0008572	347.6107	12.4565 15.72320450	737

The remaining pieces may just be debris from Mir emptying the trash. If the above Keps don't work, try these:

UNK

1	25534U	86017MV	98320.07181930	.00406414	00000-0	25648-2 0	23
2	25534	51.6588	354.6013	0007009	353.7700	6.3032 15.74869329	746

UNK

1	25535U	86017MW	98319.49650240	.01261437	00000-0	64832-2 0	15
2	25535	51.6681	357.5075	0008059	334.0628	25.9970 15.78162286	658

UNK

1	25536U	86017MX	98319.54927845	.03716302	00000-0	10771-1 0	10
2	25536	51.6559	357.1087	0006008	17.1634	342.9485 15.88607269	671

UNK

1	25537U	86017MY	98320.06423489	.01249614	00000-0	56145-2 0	16
2	25537	51.6601	354.5536	0006688	359.1838	0.9262 15.80758188	155

Those interested in learning which of the above Keps might be RS-18 should try them in turn. Use the AMSAT-BB mailing list to communicate which catalog number if any from the above list (25533 through 25537) works for RS-18.

Good luck, I'll be watching...

73, Ken N2WWD

Ken Ernandes
n2wwd@amsat.org
<http://www.mindspring.com/~n2wwd>

Date: Mon, 16 Nov 1998 21:40:04 EST
From: penzo@juno.com (Michael A Penzo)
To: qrp-l@lehigh.edu
Subject: [25243] 1340 for sale
Message-ID: <19981116.210057.7679.2.penzo@juno.com>

I have a very clean T-kit 1340 for sale. Cosmetically and electrically a

10. Price is \$80 shipped CONUS. For those of you who need a little additional info:

It covers 70 KHZ of the 40 meter band. Right now I have it set to cover 7.020 to 7.090 but it can easily be adjusted for the novice band by changing the number of turns on the VFO toroid. This procedure is covered in great detail in the assembly manual (included).

Other features:

Very sensitive superhet receiver

4 pole crystal filter

Built in speaker with LOUD audio

RIT

Full break-in QSK

5 watts RF output

Heavy duty black case with white lettering

Mike, KT4FJ

Stafford, VA.

You don't need to buy Internet access to use free Internet e-mail.

Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 16 Nov 1998 21:14:12 -0500
From: Ed Tanton <n4xy@att.net>
To: wb0poq@visi.com
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [25244] Re: ZN415
Message-ID: <3.0.5.32.19981116211412.00c278d0@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Hi Bob... I did an Alta-Vista search for the ZN-415 and found the ZN-415E=
at:

<http://www.hinkel-elektronik.de>

for ~ 6DM... they have all their address info on their logo... although there is NO direct English translation that I noticed in a quick glance at their website... there IS a translation feature available through Alta Vista, and that was how I found the page in their online catalog listing ZN-415Es. Their homepage DID list an address, tel. nr and e,mail address,

and probably I would try that first. The header is shown below:

=20

Heinz Hinkel Elektronik
Bauteile- und Ger=E4te-Fachhandel
Wasserturmstra=DFe 32, 66954 Pirmasens
Tel.: 06331-91087 Fax: 06331-62413
eMail: hinkel-elektronik@t-online.de

and listed below this they said (about calls, or when they're OPEN [in case you want to just drop by Bob!]):

Wir hatten einen Brandschaden. Deshalb gibt es solange der Vorrat reicht fast alle Bauteile aus unserem Programm billiger. Wir verkaufen, nach Zustand, mit 50-70% Rabatt.

=20

Unser Sonderverkauf findet statt:

Mittwoch von 16 - 19 Uhr
Samstag von 9 - 12 Uhr=20
Samstag von 9 - 12 Uhr=20

=20

73 =20

Ed Tanton N4XY EMAIL: n4xy@att.net =20
189 Pioneer Trail
Marietta, GA 30068-3466 TEL: (770)579-3933 V/MBX/FAX

INTERESTS: QRP BoatAnchors Test Equipment Photography
CW: 99.9% Mercury Pad.# 0214 Hensley Pad.#002 QRP>150W: 95%

~~~~~  
"Think you can, think you can't: either way you're right!" Henry Ford  
~~~~~

Date: Mon, 16 Nov 1998 22:20:43 -0500
From: Joe Everhart <n2cx@voicenet.com>
To: njqrp@njqrp.org
Cc: qrp-l@Lehigh.EDU
Subject: [25245] Re: 9 Days Until LI/NJ-QRP Doghouse Operation Sprint - Long,
semi-coherent, but not subject to the lapses of language or mental
Message-ID: <199811170320.WAA87760@nss4.cc.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

Boy oh boy talk about a dilemma. Our club (NJQRP) is co-sponsoring the Doghouse Sprint this coming Saturday - but one of our far-off members is visiting the area so we are holding a meeting. How to combine this with the contest? Oh yeah and I don't want to slight the family, either...

>Date and Time:

>Saturday, November 21, 1998 1700-2100 UTC

>

Ok so far this works out to 12 noon to 4 pm. Our meeting is in the morning but it's about a 45 to 60 minute drive for me. Hmmm let's transform that handicap to a benefit. I'll operate mobile!

>The contest is a single-op QRP CW sprint. Try to operate as many ops in as many area codes as possible. Stations may be worked more than once on different bands.

>

>Suggested QRP Frequencies:

>1.810, 3.560, 7.040, 14.060, 21.060, 28.060.

>

Well I've got a Sierra and Hamsticks for 40 and 20, so I'm equipped.

>Exchange:

>RST, Area Code and first name

>

No problem, the whole drive is within the 609 area code or close enough not to worry otherwise.

>QSO points:

>2 points per QSO

>

>Power Multiplier:

>Less than 1 watt x 10

>1 to 5 watts x 7

>

Yeah! The Sierra runs about 3 watts on 40 and 2 on 20.

>Bonus points:

>Battery/solar operation from home location: 100 points

>Portable field location, battery/solar operation with temporary antennas

>outside of home QTH: 100 points

>

Wow, even better! I *do* have a solar charge battery pack to use so I can

pick up extra points. And gee, does mobile count for a portable field location? I *do* have to remove the antennas when not in use to prevent them from being ripped off the top of my van by low branches and an esthetically minded XYL. :-)

Come to think of it, my CW while in motion is shaky. Well, there are rest areas all along Interstate 295. Yeah that's the ticket. I'll just make frequent stops - I got a weak bladder anyway. And that'll help stretch travel time so I can enjoy more of the contest.

>Total points:
>(QSO points x power multiplier) + bonus points
>

Yada, yada, yada....

The important thing is that I can operate and combine it with my other activities. Am I trying to overachieve? Naw, not me! :-)

Hope to see you all on the air. If I can do it this way, you've got no excuse not to get on.

Oh yeah, the doghouse? I'm in it anyway for spending a whole Saturday on my hobby. The attaboys I build up by spending last weekend on a ladder painting my house can't compensate for a day with the boys. Honey how would you like to go out to dinner and a movie Saturday night?

Don't forget to turn in your scores. Who knows, you might get lucky after all. With a certificate, I mean!

>Certificates will be awarded for the highest overall total score and most
>unique Area Codes worked from each Call Sign Area in the US, Canada and DX
>country. Area Codes can be counted once per band.

>Logs:
>Submit logs by December 21st, 1998 to Kevin N2T0. Submit e-mail messages
>with attached text files to kfglynn@prodigy.net or snail mail to:
>Kevin F. Glynn
>429-73rd Street
>Brooklyn, NY 11209
>Please include an SASE if you'd like to receive contest results. Results
>will be posted to QRP-L, LIQRP and NJ-QRP by year's end. Late entries will
>count as check logs.

72/73,

Joe E., N2CX

from South Jersey y'all!

Date: Mon, 16 Nov 1998 22:25:13 -0500
From: Pete Meier <pmeier@tir.com>
To: "QRP-L List" <qrp-l@Lehigh.EDU>
Subject: [25246] Looking for DX394
Message-ID: <199811170323.WAA28058@eachan.tir.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

Missed the Radio Shack closeout. Been so buried at work for a long time.
I missed lots of things!
If you bought one and have changed your mind or just want to convert it
back to cash please email me with your asking price.

Pete WK8S email to pmeier@tir.com

Date: Mon, 16 Nov 1998 23:06:02 EST
From: MKBalvanz@aol.com
To: qrp-l@lehigh.edu
Subject: [25247] T+ FOX Reminder!
Message-ID: <8ee8e6c2.3650f62a@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi gang!

Just to remind everyone I'll be on the air tomorrow morning from 6am to 8am
CST (1200-1400z, 11-17-98) on or around 7.105 Mhz

CQ will be as follows:
CQ FOX CQ FOX DE KC0AYG KC0AYG K

I'll send your info like this:
URCALL RST ##### IA MATT NR 1581 URCALL DE KC0AYG KN

And if you could respond in a format like this, it would be greatly
appreciated:

R R RST ##### ST ST NAME NAME NR # NR # DE URCALL

I'll ask for fills and then end the QSO with this:
TNX QRZ FOX de KC0AYG K

Try to go slow... I'm just starting to use code in any great capacity.

Thanks everyone!
Matthew, KC0AYG Ames, IA

Date: Mon, 16 Nov 1998 23:20:56 -0500
From: Sam Billingsley <SBillingsley@usaninc.com>
To: "Qrp1_Submit (E-mail)" <qrp-1@Lehigh.EDU>
Subject: [25248] AE4GX Tandy102 Logger/Keyer RELEASE log005 (long)
Message-ID: <21E06269B00ED111BE9B00805F6D0FA34BFC55@MAILSERVER1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

This is an updated result of an large volume of qrp-1 member messages (off-line of the list to minimize impact to the list) and ideas between the members listed below. While we all had in common the Tandy100 or 102 it was believed that its limited availability would be more clutter to the qrp-1 group at large. As was stated earlier when we started this thread we would wait until there was a more significant milestone before addressing the qrp-1 directly again. Well this milestone as occurred thanks to the work of the qrp-1 members below. It's still a WORK IN PROGRESS but like a fine wine it's getting better with age and tweaking. So enjoy this brief documentation. A more comprehensive document will be forthcoming and available off-line. I know that makes some folks breathe a a little easier;-)

log005.txt 11/16/98
Title: AE4GX QRP Keyer/Logger for Tandy 100 and 102 Laptops
Author: Sam Billingsley AE4GX, 609 Old Ivy Rd, Atlanta, GA 30342
email: sbillingsley@usaninc.com

Purpose:

This program provides a message keyer and contest logging capabilities particular to the minimal needs of QRPers. The limitations for space, speed and display made the Tandy 102 environment a challenge but you can get basic functions from this OLD piece of gear. Like most of you I have had my Tandy 102 in the closet for many years and in the back of my mind thought it would make a good message morse code keyer. The logging was an after thought but why not. I was looking for something for backpacking (i.e. light, small, low power). The Tandy 102 fits the bill for me. It turned out that I initially developed this for the logging capability and the keyer was added as an

extra. Strange world.

Size:

The BASIC program once loaded allows one to store about 300+ QSOs in RAM (I have the 24K unit so I have about 15k+ free space after the program is loaded.

Note on log004 release 7/18/98

The AE4GX Tandy102 Logger/Keyer program was released to the following qrp-l members as the result of any earlier thread where I was looking for a solution. The following were sent the log004 release on 7/18/98: Don Bullard/WA4IMI, Henry Freeenberg/N5HF, Jeff/WD4ET, Joe/KK5NA, Mark Kesner/KC4GIA and Niel Skousen/WA7SSA. Several references were brought up by the group members but none were a satisfactory solution to the logger problem. None addressed a combo logging/keyer solutions.

I used the logger portion of log004 in the ARS Bumblebee QRP contest in July 1998. The logger worked as expected but I didn't have the keyer portion ready so didn't try to use it. If I had I would have seen some problems that were uncovered later. With the contest out of the way the unit was put back on the shelf.

Note on Update from log004 to log005.

Rick Sealey/W4SEA started up the thread again on Nov 6,1998 with a general question to the qrp-l about finding out who mentioned a logging program. I responded and as they say the rest is history. The response has been much more than expected. It seems that there are Tandy100/102's in closets and boxes all over the country. Well this should satisfy some pent up demand for use.

Between 11/6/98 and 11/16/98 there has been 23 qrp-l members added for a total of interested at a current total of 29 including myself. Calls include (my directory sort order - alpha by first name):

Anthony K9AM Mark
Barry WD4MSM Keating
Brian W5VBO Kassel
Bruce W6TOY Muscolino
Darrel WD6BOR ??
Dave KD6KWM Willey
Dick AB0CD Schneider
Don WA4IML Bullard
Edwin AE4EC Lappi
Eric KC6SPN Shrader
Gary WD8KQY Nye

George W5YR Baker
Henry N5HF Freedenberg
James W0KSD Rybak
Jeff WD4ET ??
Jim KC1FB Francoeur
Jim VE2KN Lyons
Joe KK5NA ??
Johnson KE0MC Lee
Mark KC4GIA Kesner
Mark WD0IQK/8 Gilger
Michael LK7IXI/7 Fletcher
Niel WA7SSA Skousen
Paul VE7CQK Erickson
R. YD3EBM Soetedjo
Sam AE4GX Billingsley
Steven KI0MZ Smith
Tom AD6N Upton

Many thanks to the group above particularly Mark KC4GIA, Don WA4IML, Jim VE2KN and Tom AD6N for their special effort and participation.

First of all, several of this group have actually tried to use it and give feedback. This has provided me with great information.

The most critical bug found was that the keying routine didn't actually control the internal relay as described. Several have offered fixes. PROBLEM solved in version log005.

Currently the keying solution uses the internal relay but several are looking at using the RS-232 port control leads for an electronic solution. There will be more to come on the electronic solution.

There were several comments about the "not so smooth sounding" keying. I found a bug where I had left off the OFF time delay after DITs. Problem solved in version log005.

Call Sign DUP Checking has been included in this version log005. You can turn ON or OFF the DUP CHK capability. It is off on initialization. UP to 300 calls can be DUP Chkd. I think you will run out of logging space before this is reached. New in version log005

If the CAL,SPC,HRST,MRST are attempted to be changed after valid key in the old value will be cleared at the beginning of the new value being entered. New in version log005.

Since this is a software and functionality oriented project it can be

carried on as far you an individual wants it to in terms of enhancements. I will reach a point of minimal incremental return and FREEZE my solution. I'm sure that someone will want to tweak things further. It's a fun project and you will not get soldering iron burns. :)

Note on Keying:

Since I used the SOUND BASIC command for WPM timing the relay seems be automatically keyed as a side affect. I plan to use this hard contact relay for my Transmitter keying. I haven't tried to tweak the WEIGHTing parameters (i.e. Dot/DASH time On/Off ratios, inter-word time, etc). I used the standard values I found in various Morse write-ups. You can easily change to suit yourself. I limited the Morse output set to A-Z, 0-9, "/" and "?". Additional characters and prosigns can be added. Notice my character table INDEX is artificial and doesn't have any algorithm to create it. With the MSG function "ay<return> (Sound/audio ON) you can hear the characters being outputted via the internal speaker.

Downloading to Tandy102:

I have been using WORDPAD(simple text file editor) or an old GWBASIC internal editor on my email PC to generate the logxxx.DO file. I then bring up the Tandy102 and use TELCOM DOWNLOAD capability to receive the xxx.DO file. I use PROcomm to SEND to file to the TANDY 102. I had to slow down the output from the PROcomm so I would not overrun the TANDY. I know I could have used XON/XOFF but I'm lazy. The only thing I noticed is that an extra hex"FF" character is in my file at the very end when it gets to the Tandy. I use the Tandy text editor to delete the "FF" character then use the "MERGE" capability of the BASIC package to convert the xxx.DO downloaded file into a run-able BASIC file in BASIC> You can then SAVE the "xxx" as a .BA file using standard BASIC calls.

All major functions are started by pressing a FUNCTION Key.

Function #8 MSG = Message system

"CMD" wants you to enter one of the following:

cX<return> where X is msg # x in range 1 to 5
msgs are up to 30 chars.

pX<return> where X is msg # from 1 to 5 to be outputted

sXX<return> where XX is WPM speed from 1 - 30

aX<return> where x="y" means sound ON and x="n" means sound OFF

Function #7 COM = Common log stuff

pXX<return> where XX is power in watts from 1 to 99

bNN<return> where NN is BAND ID (80,40,20,15,10)

mA<return> where A="c" for CW or A="s" for SSB

****NEW

d<return> where DUP CHECK for is toggled ON or OFF

If ON "*"appears next to left of CAL on Function

line.

If DUP off this position is <blank> [ON = *CAL

OFF = CAL]

****NEW

x<return> EXITS Logger program back to system prompt after
closing files.

Function #6 MST = MyRST

XYZ<return> where X 1-5 and Y 1-9 (range chks done)

Function #5 HST = HisRst

XYZ<return> where X 1-5 and Y 1-9

Function # 4 SPC = State/Providence/Country

AA<return> where AA is two char SPC code (no edits preformed)

Function # 3 CAL = Call of Station worked

AAAAA<return> where length A...A is 3 to 6 (no alpha chks done)

Function # 2 LOG = Write log entry to file (system will force you to open
file)

Entries are as follows comma delimited:

DATE\$

Time\$

Call

SPC

HisRST
MyRST
Band
Mode
Power

Function # 1 FILE = File actions

If no file active the filename<return> (include .D0)

The named file info is put on screen in upper right hand
corner: name,date and time opened

If file is already open
do you want to close then Y otherwise N

***** end of doc *****
log005.txt de AE4GX

Date: Mon, 16 Nov 1998 23:39:10 -0500
From: "GREGORY HEATH" <KB2QQM@email.msn.com>
To: "QRP-L (SENDING ? TO QRP-L)" <qrp-l@Lehigh.edu>
Subject: [25249] ? who had the software to make qrp-qs1 cards at home?
Message-ID: <0d98846400411b8UPIMSSMTPUSR04@email.msn.com>

hi, a couple of weeks ago...somebody was talking about making their own qrp-qs1 cards and somebody had a webpage or suggested a webpage, anybody have any ideas? thanks Greg.

Date: Tue, 17 Nov 1998 00:13:04 EST
From: we6w@juno.com (Ed Loranger)
To: qrp-l@lehigh.edu
Subject: [25250] First wallpaper.
Message-ID: <19981116.210923.4783.1.we6w@juno.com>

Hey guys. Got a nice piece of paper today. It really means a lot to me.

I'm a new member of the ARRL A-1 Operator Club!!
And to celebrate I worked a novice tonight at 5WPM with a BIG magnet at the very end (Left side) of the BUG and then tightened things up and dropped down to 7040 and worked Doc/K0EVZ at 25 WPM from his Bismark, ND QTH

Yes!

--

72, Ed WE6W QRP-Z#106 <http://www.qsl.net/we6w>
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or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 16 Nov 1998 21:39:50 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: Ed Loranger <we6w@juno.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [25251] Re: First wallpaper.
Message-ID: <Pine.SOL.3.96.981116213430.5076A-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 17 Nov 1998, Ed Loranger wrote:

> Hey guys. Got a nice piece of paper today. It really means a
> lot to me.
>
> I'm a new member of the ARRL A-1 Operator Club!!

Congratulations Ed!

I got home late tonight. After going up to the beauty shop and hanging drapes with the wife, I got back home and looked at the mail.... Yeooooooooooooo!!!!

I too am a new mwmbber of the ARRL A-1 Operator Club!

No time to get on the air tonight and might not even be home to chase the Fox tomorrow night but I think I'll follow Ed's example and make my next QSO up in

the N/T+ portion of the band.

I'm still on cloud 9..... Thanks to whoever!

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Tue, 17 Nov 1998 01:14:28 EST
From: we6w@juno.com (Ed Loranger)
To: faunt@netcom.com
Cc: qrp-l@Lehigh.EDU
Subject: [25252] Re: QRP Shack
Message-ID: <19981116.221037.4783.5.we6w@juno.com>

Hey Doug, FB on planning to build some furniture. I built a table with a little extension panel on the left. It all goes up very easily and is strong. Deep too! I've got the scope, Drake TR-3 and RV-3 twins, the soldering Iron, parts bins. Heck, I even had the portable TV set on it until last weekend! Do CW/Watch TV/Chat with the XYL, all at the same time.... Hey it is good practice.

Anyway, there are plans on my website for the table.

Also, I can't recall if I wrote it up, but I also built this amazingly sturdy and useful roll around table. And at the bottom I use the leg support to hold my Carpenter's boxes! One filled with ONLY Woodworking stuff, and on the other leg pair are all my Metal Tools in another carpenter's box. On top are Some HUGE QRO TX capacitors and my 160 Meter ATU project (Tks to K6RPN for getting me started!), the boatanchor SQUARE/SINE/Triangle sig gen I bought at a HP auction in 1982 -- hey, it puts out up to 20 or more Volts P-P!

Anyway, maybe I'll double check and see if I put that on my webpage awhile ago. If not, I'll re-measure it or find my rough drawings and share it with you.

If you make it into Santa Rosa I'll give you some very high quality wheels for yours.

I think I started with plans from an old QST for a printer stand.
And it just kept growing!

GL.

-Ed

72, Ed WE6W QRP-Z#106 <http://www.qsl.net/we6w>
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or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 16 Nov 1998 23:20:48 -0700
From: Tim Pettibone <tpettibo@NMSU.Edu>
To: qrp-1@lehigh.edu
Cc: emtech@steadynet.com
Subject: [25253] ZM-2 and Cap replacement
Message-ID: <1.5.4.32.19981117062048.0068d9dc@cnmailsvr.nmsu.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

There has been a post that a back ordered ZM-2 has been received. I corresponded with Scott Gregson a couple of weeks ago (emtech@steadynet.com) and discovered that he had found some replacement caps for the ZM-2. I ordered three and they came today. He said he has to order in lots of 1,000 or 5,000. Scott includes a couple of spacer washers along with the mounting screws. The shaft extension is a bit shorter than the original and he includes a lock washer so the extension won't turn.

At one point I thought that the mounting screws were going into the capacitor body too far and catching the really small and flexible rotating plates (the reasoning for the washers). That may still happen but I think I've found the real culprit. When you put on or take off the extension shaft you should hold the short shaft (not the extension) with a small wrench or a pair of needle nose pliers so it can't move as you tighten the screw. If you don't, you end up putting on a lot of torque when the rotor is up against the internal stop. This is also true if you are removing the shaft - just on the other stop. This torque seems to start the unraveling process wherein the plates and the poly film insulators start tearing and shredding internally. At least that's what looks like happened to one of my caps in my ZM-2. Boy there are a lot of parts in that little tiny cap! Even if you don't put on or take off the extension, you could also put too much torque just turning the cap with a really heavy hand, in my opinion.

Scott is quoting \$3.00 each for the caps, shipping included. I would double check with him before ordering just to be sure. The address for EMTECH is now 1127 Poindexter Ave. W., Bremerton, WA 98312.

My ZM-2 is now back in line (on line?) and seems to be working fine. The other old cap feels a bit mushy on one end of its travel, so I may need to replace it as well. But now I've got a couple of spares! I was on the verge of repackaging the ZM-2 using larger air-variables, but I can wait on that, at least for a while.

Congrats to Ed and Monte (Ron) on getting A-1 Operator certificates.

Tim K5OI
Las Cruces, NM

Date: Tue, 17 Nov 1998 01:29:01 EST
From: we6w@juno.com (Ed Loranger)
To: ku7y@dri.edu
Cc: qrp-1@Lehigh.EDU
Subject: [25254] Re: First wallpaper.
Message-ID: <19981116.222511.4783.11.we6w@juno.com>

Hey Ron, is this a great day or what. And to share it with eachother at the same time! Yow-za!

And I also wish to thank the monitoring person. Thanks for the submission.

Congrat's back to you!
I'm on cloud 599!
I'm so excited for you too!

-Ed
On Mon, 16 Nov 1998 21:39:50 -0800 (PST) Monte Stark <ku7y@dri.edu> writes:

>I too am a new member of the ARRL A-1 Operator Club!
>No time to get on the air tonight and might not even
>be home to chase the Fox tomorrow night but I think
>I'll follow Ed's example and make my next QSO up in
>the N/T+ portion of the band.
>
>I'm still on cloud 9..... Thanks to whoever!
>
>cul,

>
>73, Ron, SOWP 5545M,
>
>.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....

72, Ed WE6W QRP-Z#106 <http://www.qsl.net/we6w>
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or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 17 Nov 1998 00:13:54 -0800
From: "Bill Todd" <bill@willapabay.org>
To: <DLShips@aol.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [25255] Re: Beacon Summary - Carolina's QRP-Fest
Message-ID: <000a01be1202\$398c8ea0\$254ffbce@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

"KL7JAF is clearly the winner and this brought smiles to all our faces.
>Congratulations Bruce Hopkins, You are hereby declared "Carolina's Ear of
the
>Year". Please send your address and I'll mail the Rainbow."

My earlier post said:
>I sure hope to heck that Jim Larson in Alaska has is rig turned off today
(ha
>ha). CUL, Bill Todd - N7MFB

Well Carolina QRP - I guess Jim Larson didn't have his radio on after
all - - -Unfortunately for me, Bruce Hopkins turned on HIS radio (ha!).

Good job Bruce!
Bill-N7MFB
<http://www.willapabay.org/~bill>
ICQ me @ 8926298

Date: Tue, 17 Nov 1998 00:17:04 -0800
From: Mark McPherson <markm@teleport.com>
To: leinwebe@mcmail.cis.McMaster.CA
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [25256] Re: NiCad battery-drain equalizer idea
Message-ID: <36513100.FF17A4C5@teleport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Glen,

I'm not a power supply designer, but here are some thoughts to ponder:

First, efficiency of this DC-DC converter. Good ones -- well designed -- are, I think, at best about 90% efficient or maybe a little better. So you might end up discarding on the order of 10% of usable battery capacity in this scheme; that might be comparable to the energy contained in those last few volts you wanted to squeeze out!

Second, I think your design will have to be a "buck-boost" converter as at some times the input voltage will be below the desired 13V output ("boost" converter) and at others above the desired output ("buck" converter). This will make the converter design somewhat more complicated and -- of course, entropy being what it is -- less efficient.

Also, don't forget that your converter will have to be RF-quiet at the operating frequency of interest. No nasty switching noises to muck things up, please. This shouldn't be difficult but should be considered in the electrical design and mechanical construction.

On the other hand, it would make a good project; design the converter, take the data -- one would learn a good deal about converter design and battery characteristics!

73,
Mark
K7MPH

Glen Leinweber wrote:

>
> Portable-ops gang:
> I see (thanks W7EL) that NiCads, along with
> other batteries "droop" as they discharge. So you've

> got a catch-22:
> If you fully charge a set of batteries, you could
> apply an overvoltage to your rig (above 14v?) when
> they're fresh.
> OTOH, when your batteries have been sucked nearly
> dry, your rig fails because its not efficient at
> a battery voltage of 10v.
>
> Apparently, NiCads don't mind being sucked dry. But
> your rig doesn't like such a dry battery, because
> its designed for perhaps a minimum of 10v.
>
> So why not add a little switching regulator that
> accepts a battery voltage anywhere between 8v
> to 15v, and outputs a flat 13v into any reasonable
> load (must handle small RX current, as well as
> big TX current)?
> An additional circuit might have to be
> added that monitors each cell, and shuts the whole
> works down if it reverse-polarizes.
> Just wondering if such an animal is
> already available, or if there's a flaw in my
> thinking, or if its simply not worthwhile?
> Glen VE3DNL leinwebe@mcmaster.ca

Date: Tue, 17 Nov 1998 00:30:47 -0800 (PST)
From: Brad Bradfield <b_bradfield@yahoo.com>
To: Message posts for QRP-L <qrp-l@lehigh.edu>
Subject: [25257] LEONIDS!!
Message-ID: <19981117083047.19598.rocketmail@send204.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Good morning QRP'ers = =

If you haven't been out to watch, go out right now and see the
Leonids. In my part of the US (CST) I'm seeing a pretty good meteor
trail every minute or so, some of them pretty impressive.

Clear skies.

72's es 73's,

Brad, WB0CGH

==

Brad Bradfield, PE WB0CGH Systems Engineer
Raytheon Systems Company

Real men talk with their fingers!!

QRP-L #377
ARS #72
Austin QRP Club #e

DO YOU YAHOO!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Mon, 16 Nov 1998 08:52:03 +0000
From: Dick G0BPS <Dick@kanga.demon.co.uk>
To: qrp-l@lehigh.edu
Subject: [25258] G3RJV Six Pack of kits
Message-ID: <h\$AxJGAze+T2Ewfy@kanga.demon.co.uk>
MIME-Version: 1.0

Gang,

Following the sale of the G3RJV six pack kits from Doug KI6DS
there will be those who were dissapointed they didn't get one.

They are still available from Bill Kelsey N8ET, check with Bill at:
Kanga@mail.bright.net

or my own web pages as under.

TTFN de ..

--

Dick Pascoe G0BPS
Kanga Products
Seaview House, Crete Road East
Folkestone CT18 7EG U.K.
Tel 44 (0) 1303 891106
<http://www.kanga.demon.co.uk>

Date: Tue, 17 Nov 1998 05:25:12 -0600
From: Conard Murray <ws4s@InfoAve.Net>
To: b_bradfield@yahoo.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [25259] Re: LEONIDS!!
Message-ID: <004401be121c\$f1ffa5c0\$a3024ace@pentagrid>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

>If you haven't been out to watch, go out right now and see the
>Leonids. In my part of the US (CST) I'm seeing a pretty good meteor
>trail every minute or so, some of them pretty impressive.

>

Hi Brad,
Overcast skies here in TN, but you should hear 'em on 6m!
73 de Conard, WS4S

Date: Tue, 17 Nov 1998 07:22:23 EST
From: KF4LTT@aol.com
To: qrp-1@lehigh.edu
Cc: woody@hboi.edu
Subject: [25260] Battery Pak for ICOM IC-02AT NOT QRP
Message-ID: <e53d7648.36516a7f@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Sorry for the bandwidth for a non QRP topic. I misplaced my manual for my HT at a public service event, but I may have access to some from battery packs and rapid chargers for an ICOM marine VHF that looks almost identical to my 02AT. Could someone please tell me what battery packs fit the 02AT. Please respond off-line at both of the following e-mail addresses. Thanks.

Woody Lee
woody@hboi.edu
KF4LTT@aol.com

Date: Tue, 17 Nov 1998 04:44:00 -0800
From: Brian Murrey <brian@iquest.net>
To: qrp-1@lehigh.edu

Subject: [25261] FOX - Taking the week off
Message-ID: <36516F90.B7648429@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Sorry folks, I can't Fox this week. I totaled my car on Sunday and I'm too busy battling the insurance companies. It WAS my favorite car, a 1989 Crown Vic Wood Grain Wagon (LTD Country Squire LX), with all the goodies. The ugliest car I have ever owned. My kids refused to drive it, my wife wouldn't even hardly sit in it....it was allllllll mine.

Thankfully, no injuries, but the battle wagon has done bit the dust. There goes my chance at a mobile 1/2 wave 40m dipole.

Bummer

72

--

=====
NORCAL Zombie Brian Murrey KB9BVN QRP-L #1540
39.558 N 86.095 W Johnson Co., Indiana
GRID: EM69WN - NORCAL 40A - Attic Dipole - 1.8w
=====

Date: Tue, 17 Nov 1998 08:10:55 -0500
From: "Joiner, Randy - LYSBB" <JoinerR@avionics2.robins.af.mil>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [25262] Bobtail Curtain
Message-ID: <AD001062E6EFD111AB4A00805F9F46A7544A95@mustang>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

A couple of you guys have asked for more info on my bobtail. Give me a day or two to look up my information, see if I can find my drawing and I'll see what I can do. I'll also try to find the references in my old 73 magazines, there were a couple of good articles there about the bobtail. One site also you might want to browse is:
<http://lightspeed.bc.ca/warlight/HOMEPAGE/roy/index.html>
<<http://lightspeed.bc.ca/warlight/HOMEPAGE/roy/index.html>> , its about sterba curtains of which I understand the bobtail is an offshoot. I find it very interesting!

72

Randy Joiner WD4DSX
QRP-L #1771
NOGA

Date: Tue, 17 Nov 1998 08:20:33 -0500
From: mike czuhajewski <wa8mcq@erols.com>
To: QRP forum <qrp-l@lehigh.edu>
Cc: Dave Johnson <wa4nid@amsat.org>
Subject: [25263] A half dozen Pacificon pix on web
Message-ID: <36517821.4F4C@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I took a few pictures while I was at Pacificon, about a dozen, and sent them to WA6OWR for the NorCal page and WA4NID for the QRP ARCI page. Jerry hasn't put any of them up yet that I know of--he's said to be quite busy and hasn't even put up any of the huge number that he took himself while there--but Dave did get six of mine on the QRP ARCI page. Nothing astounding, but if you need a Pacificon photo "fix" you can surf over to www.qrparci.org and look for the link to the pictures. Hopefully Dave will get a few of the others up later.

BTW, Jerry did get my Pacificon comments posted to the NorCal page (the same ones that I posted to qrp-l a while back).

WA4NID, our QRP ARCI webmeister, also asks for people to submit news of upcoming contests and QRP events for our web page. They don't have to be QRP ARCI things, of course--we'll publicize anything that anyone tells us about. The important thing is to get the word out to QRPers about all upcoming QRP events and contests. Dave can be reached at wa4nid@amsat.org.

And as I said before, I really enjoyed the heck out of Pacificon! The folks on the left coast have been needing a regional equivalent to QRP Dayton for years, and this is it!

--

73 and Queue Our Pea de WA8MCQ wa8mcq@erols.com

Date: Tue, 17 Nov 1998 08:39:21 -0500
From: Scott Howell <showell@hq.nasa.gov>

To: ku7y@dri.edu, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [25264] Re: First wallpaper.
Message-ID: <3.0.5.32.19981117083921.007f1470@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I say congrats to the both of you.

72/73 de Scott/n3byy

At 09:39 PM 11/16/1998 -0800, Monte Stark wrote:

>On Tue, 17 Nov 1998, Ed Loranger wrote:

>

>> Hey guys. Got a nice piece of paper today. It really means a
>> lot to me.

>>

>> I'm a new member of the ARRL A-1 Operator Club!!

>

>Congratulations Ed!

>

>I got home late tonight. After going up to the beauty
>shop and hanging drapes with the wife, I got back
>home and looked at the mail.... Yeooooooooooooo!!!!

>

>I too am a new mwmber of the ARRL A-1 Operator Club!

>

>No time to get on the air tonight and might not even
>be home to chase the Fox tomorrow night but I think
>I'll follow Ed's example and make my next QSO up in
>the N/T+ portion of the band.

>

>I'm still on cloud 9..... Thanks to whoever!

>

>cul,

>

>73, Ron, SOWP 5545M,

>

>.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....

>.....ku7y@sage.dri.edu.....Washoe Lake, Nevada....

>.....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

>

>

>

Date: Tue, 17 Nov 1998 09:47:50

From: Ben Pooley <bpooley@bar.auracom.com>
To: pmeier@tir.com
Cc: qrp-l@Lehigh.EDU
Subject: [25265] Re: Looking for DX394
Message-ID: <3.0.6.16.19981117094750.341f753c@bar.auracom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 22:25 16/11/98 -0500, Pete W8KS wrote:
>Missed the Radio Shack closeout.....

Just checked around here. DX394 still available in Canada at \$300.

Also, a week ago, no problem finding the RS 21-1701 CB transceiver for KD1JV's 11-2-10 project, at \$50.

These are November flyer prices.

If these prices look high, these are Canadian prices and our dollar is somewhere around 66 cents in US currency.

I am not employed by..... no connection with..... and no particular admirer of.... etc.

73, Ben, VE1AHX
Ben Pooley, Allendale Electronics Ltd, RR1 Lockeport NS Canada B0T 1L0
bpooley@auracom.com ve1ahx@rac.ca www.trico.ns.ca/smtassy

Date: Tue, 17 Nov 1998 09:05:10 -0500
From: "JEFFREY MICHAEL POULIN" <jpoulin@erols.com>
To: <qrp-l@lehigh.edu>
Subject: [25266] N/T+ fox - 2nd notice for Wednesday
Message-ID: <199811171358.IAA22489@smtp3.erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

QRP-L # 743
call KF4JSV
date 11/18/98 (UTC 11/19/98)
time 9 - 11 pm eastern (UTC 0200 - 0400)
rig Ten-Tec Corsair II cranked down to 5 watts
antenna dipole at 25 feet (best I can do at the moment)
frequency will start at 7.122

QTH Manassas, VA

EXCHANGE: call sign, name, state, power output, QRP-L number

Hope to hear all of you tomorrow night.

72/73, Jeff KF4JSV

Date: Tue, 17 Nov 1998 09:17:26 EST
From: DENNISMO@aol.com
To: qrp-l@Lehigh.EDU
Subject: [25267] Early Morning Fox
Message-ID: <dee18089.36518576@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang...

No fox heard this morning in the Central Coast of California; just the usual BC/QRM around 7.105. Actually only heard one QSO in progress around 7.112. I guess everyone else nuts enough to be up that early this morning were out watching the meteors spraying across the sky. What a show and I guess tonight and early Wednesday morning should be the peak of this year's celestial performanceand it's free...! (:8^>)

Ya all have a good day es God Bless,

72 de Denny AD6EZ<><

Date: Tue, 17 Nov 1998 07:57:48 -0600
From: applitech@mcg.net (Claton Cadmus)
To: <mikemo@ibm.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [25268] Re: STL varicap question
Message-ID: <00b501be1235\$c3d16800\$a10a5e2c@groucho>

Mike Maiorana wrote:

>Here is the question: If you use two air variable caps in parallel, does
>the total wiper resistance go down like it would using parallel
>resistors? So if you had two caps of 100pF and 50 milliohm wiper
>resistance, would the total be 200 pF at 25 milliohm?

The direct answer to your question is, yes. Would I suggest this as a solution to the tuning capacitor in a small loop? No.

73 de KA0GKC Claton Cadmus

cla@mcg.net

MNQRP #1

Minnesota QRP'ers we're looking for you!

Email me or visit this page <http://www.qsl.net/mnqrp>

Date: Tue, 17 Nov 1998 07:41:40 -0700

From: Dave Ek <ekdave@earthlink.net>

To: qrp-l@lehigh.edu

Subject: [25269] FOX: Final Notice--AB0G0--18 Nov 0200 UTC

Message-ID: <3.0.6.32.19981117074140.0079d800@mail.earthlink.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

All,

Final reminder: I'm the fox tonight, 18 Nov 0200-0400 UTC. In case you missed the first notice (with all the details) I've included it below.

Release the hounds!

72 de Dave AB0G0

>Gang,

>

>I'll be the Fox for the next hunt. Mark your calendars: 18 Nov, 0200-0400 UTC (that's 17 Nov at 7 PM MST). My original plan was to use my SW+40 for this hunt, but I think I'll go with the IC-706 and a little more power so more of you can hear me (watch for the SW+ on my second go-round). I'll use my RIT along with a tight filter as necessary but don't spread out *too* much. I'll be running 5 watts into an inverted vee up about 20 feet at the center. Should be able to work most parts of the country with it. I've heard lots of strong signals during the previous hunts.

>

>I'll be set for somewhere between 18 and 20 wpm. Try not to go faster than I am, or we'll be doing lots of repeats. I'll try to slow down when I can detect that I need to (say, if you send your call slower than me). Speaking of repeats, don't send each part of your exchange twice. If I need fills I'll ask for them--hopefully things will go a bit faster that way. Also, don't expect too hear much more than "QSL TU" after I get your exchange before I go on to the next. Not trying to be ungrateful or impolite, but I

expect to hear lots of signals and I want to keep things moving so more folks get a chance to get in the log. Face it--the fox wants a lot of contacts, and a lot of hounds want a pelt. I want to hand out as many as possible.

>

>I'm going to try to find a spot around 7.037 MHz to start. Failing that, look around 7.044 MHz. If I need to QSY at some point, I'll announce it and try to predict where I'll end up (e.g. "DN 7"). If I disappear from one of these two frequencies, look for me near the other frequency first.

>

>I'm looking forward to this. Please be gentle...

>

>72 de Dave AB0G0, NR785 in C0 (hint hint)

Date: Tue, 17 Nov 1998 08:46:13 -0600
From: "Lawrence T. Owens" <w4dec@dibbs.net>
To: qrp-l@Lehigh.EDU
Subject: [25270] Wallpaper
Message-ID: <36518C35.2184@dibbs.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang,

Congrats to Ed and Ron. Here also found a brand new A-1 Operator club certificate in my mailbox yesterday. It certainly came as a big surprise to me. I consider it a great honor. Thanks to the people who nominated me. I haven't the vaguest idea who you are. Thanks again and great QRP operating to you all.

72,

Larry (W4DEC)

Date: Tue, 17 Nov 1998 06:58:31 -0800
From: Jeff Grudin <grudin@pacific.vdbs.com>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [25271] A great QRP Story for ARRL members!
Message-ID: <36518F17.576757CB@vdbs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Guys,

If you want to read a great QRP initiation story and are an ARRL member, you should check out the ARRL on line magazine, Web Extra. The URL is <http://www.arrl.org/members-only/extra/features/1998/1116/1/>

A side note: This ARRL feature is a great membership plus. Not to start a to join or not to join war, but if you are a member, you would probably find some good stuff at this site.

It is at the bottom and called "QRP to the Rescue". It is about a good friend that I finally got to try QRP. On a backpacking trip he was able to use it to help out another hiker.

Check it out. (Includes pictures of my elmer rig ;-)

--

73 de AC6KW <mailto:grudin@vdbbs.com>
Jeff Grudin, DVM Web Add: <http://www.vdbbs.com/~grudin>
Ocean Animal Clinic / Cat Clinic of Santa Cruz - Santa Cruz, California
Norcal QRP #1292 QRP-L #16 ARS #351 AR Qrp #131

Date: Tue, 17 Nov 1998 09:04:48 -0600
From: Tim Ahrens <tahrens@inetport.com>
To: qrp-l@lehigh.edu
Subject: [25272] Re: LEONIDS!!... neo lids? :-)
Message-ID: <36519090.B619C038@inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi folks - got up about 4am here (1000 gmt), and saw a few.. held out for about an hour, probably 1 every 2 minutes.. no real spectacular ones, but enough to keep me interested. Thought about firing up the 6/2 meter rig, but I figured it would be nicer to watch than try and run the rig... man, the stars sure are brilliant that time of night/morning!!

Thinking of building a reflector telescope to give my daughter for Christmas. me too!! ;-)

thanks!

Tim W5FN

Brad Bradfield wrote:

>
> Good morning QRP'ers = =
>
> If you haven't been out to watch, go out right now and see the
> Leonids. In my part of the US (CST) I'm seeing a pretty good meteor
> trail every minute or so, some of them pretty impressive.
>

Date: Tue, 17 Nov 1998 09:16:28 -0600
From: applitech@mcg.net (Claton Cadmus)
To: <aa5tb@swbell.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [25273] Re: Keps for Sputnik 41, RS18
Message-ID: <010001be123e\$6eb6d220\$a10a5e2c@groucho>

Heard Sputnik 41 last night. I used the KEPS for Mir and started listening a few minutes early so as not to miss it. That 200mw beacon and being up over 100 miles makes for 1000 miles per watt! And on 2meters! Beep Beep ;-)

73 de Cla KA0GKC

Date: Tue, 17 Nov 1998 08:24:04 -0700 (MST)
From: Paul Harden <pharden@aoc.nrao.edu>
To: Brad Bradfield <b_bradfield@yahoo.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [25274] Re: LEONIDS!!
Message-ID: <Pine.SOL.3.91.981117081842.18324C-1000000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Quite a few of us from the observatory camped out last night on the east side of the Rio Grande from Socorro for some pitch black skies. The first good meteors appeared about 11:30pm. We watched until about 2am, with the activity getting better as the morning progressed. I would say from 1-2am, the count was one per minute, with several good, bright bolides that broke up, left smoke trails, etc. The later was worth it alone. Will probably see what may remain this evening as well.

About to catch the shuttle to run out to the VLA antenna site some 60 miles away for "maintenance day." My task today is to "peak up" a couple of WWV receivers. Think I can handle that with my lack of sleep. Thankfully, I have no antennas to climb :-)

72, Paul NA5N

Date: Tue, 17 Nov 1998 07:58:35 -0800 (PST)
From: Brad Bradfield <b_bradfield@yahoo.com>
To: Message posts for QRP-L <qrp-l@lehigh.edu>
Subject: [25275] LEONIDS
Message-ID: <19981117155835.13540.rocketmail@send206.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Good morning y'all - -

You friends out in the Western Pacific please give us a blow by blow account of what the Leonids look like out there. If I recall, the peak is somewhere around 2000Z, about four hours from now. Nice show here, but not as nice as y'all are supposed to have.

72's es 73's,

Brad, WB0CGH

==

Brad Bradfield, PE	WB0CGH	Systems Engineer
		Raytheon Systems Company

Real men talk with their fingers!!

QRP-L #377
ARS #72
Austin QRP Club #e

DO YOU YAHOO!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Tue, 17 Nov 1998 07:09:48 -0900
From: Jim Larsen AL7FS <larsennc@alaska.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [25276] Re: A half dozen Pacificon pix on web
Message-ID: <36519FCC.D647F05D@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

mike czuhajewski wrote:

> I took a few pictures while I was at Pacificon,

> -but Dave did get six of mine on the QRP ARCI page.
> Nothing astounding,

=====Greetings from Alaska,

I made it into two of the six pictures! Wow. Bet you can't find me, though.

1. That's me, my horizontal stripped shirt and my hands in the "goodies picture"
2. That's my head on the very far right of the Friday dinner scene. Just a dark floating head. The guy to my left in the Yellow Zombie Shirt is Doug Hendricks.

: -)

73, Jim, AL7FS -- Anchorage, Alaska
(BP51cc)@61.1009636 North 149.8237915 West(approximately)
mailto:al7fs@qsl.net ICQ 11022915

Date: Tue, 17 Nov 1998 09:26:42 -0700
From: jaywa5whn@juno.com
To: qrp-1@lehigh.edu
Subject: [25277] Re: Leonids from DM65
Message-ID: <19981117.092643.4494.0.jaywa5whn@juno.com>

What a show early this morning {1030 UTC}. I had turned on the radio gear 144.2 MHz USB & 50.125 MHz USB. I had no problem copying a beacon near Baha Calif. {XE2UZL, DM10}. I had driven out to the Rio Puerco {5,200 ft.

asl}, 22 miles WNW of Albuquerque in my SUV. Absolutely wonderful dark sky conditions. I had my stop watch on & there were more than 135 meteors per hour. I had 2 meteors cross right above me in the Pegasus constellation at the same time. Some of the meteor trails would last for several minutes. Lots of activity on 2 & 6 meters from the State of Louisiana. It must be that tabasco sauce that keeps them awake at night. ;-)

Some of the 6 meter cw beacons that I did copy were less than 20 watts output.

Outside temperature was 41 deg. F. I had taken out the air mattress & put on my arctic coat & watched nature's display, while listening to the beacons bursting in on 6 meters. I did copy a partial callsign of a VE8S?? beacon.

A lot of the larger meteors were in the SE to NW paths or a SW to NE path. They would enter the Earth's atmosphere in groups of 2 or more, then nothing for a few minutes. That's how 6 meters was working, a few beacons would id for about 30+ seconds, then just as rapidly, nothing. Then it would repeat again in a few minutes. Nature did reward us in the SW USA with quite a show early this morning.

I do remember the 1966 Leonids meteor shower while living @ my Parent's farm in Alameda, NM. Though not quite that many in 1998, I don't remember the meteors bursting in groups. This was a true meteor shower, and it was the first time that I have ever experienced meteor scatter longer than 30+ seconds.

BTW, I had forgotten how much fun it is to reassemble a portable 3 element 6 meter beam & a 4 element 2 meter beam with just a small mag light, with the red filter on.

I had to head home ~ 1200 UTC to get ready for work, but it's still a viable meteor scatter fun house out there.

72... {yawn}...Jay, WA5WHN

DM65

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 17 Nov 1998 11:55:55 -0500
From: Tom McCuen <tjmc@erols.com>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [25278] QRP and ears
Message-ID: <3651AA9B.10415AEC@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I was tuning the band (12m) yesterday morning and along comes KH6XT out of Hi.

So, I listen for a while and find out he's pushing 400w and a quad...doing a nice 58. It's abt 8am there and he has to get ready for work soon.

So, what the heck , will the QRP gods beam in my direction?? I make my call at the end of a qso and he pulls me out.
Or, at least he thinks someone is there He replies for the qrp station to go agn.

I reply and he picks up my 2.5w from a Gap vertical and the SG-2020 on USB... I get a nice 44 report and a quick qso and bye.

The whole point of this, is to thank the other end of the QSO.... It takes a good op to pull out the signal and have the time/patience to do so! Tnx Ken.

72/3
Tom aa2vk

Date: Tue, 17 Nov 1998 08:57:09 -0800
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: "QRP-L list" <qrp-l@Lehigh.edu>
Subject: [25279] Fox: fox log, stardate 11 November, K1MG, finally
Message-ID: <27a201be124b\$53c3f170\$140a0a0a@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Sorry for the delay, folks. Things sure have been hectic here at work

and at home.

Fox log -- K1MG 11 November 1998

Time Call Sent Rcvd State Name Nr

1	203	N1FN	599	559	CO	marshall	153
2	204	AK7Y	559	559	AZ	greg	1693
3	205	AB5UA	559	559	OK	clif	478
4	206	N5TW	559	599	TX	tom	1474
5	207	N7GS	559	599	MT	mal	815
6	207	KK5LD	559	599	TX	dan	5w
7	209	N0UR	559	559	MN	jim	799
8	209	KI7MN	559	599	AZ	bob	271
9	210	KA8OKH	559	559	KY	rich	933
10	211	KB0PTE	559	559	MO	wayne	1058
11	212	K5UP	559	599	OK	glen	21
12	214	NQ7X	579	559	AZ	floyd	343
13	214	AB0GO	579	579	CO	dave	785
14	215	AB7CL	559	559	MT	roy	4w
15	216	KI0II	559	559	CO	ron	928
16	217	N7MFB	549	559	WA	bill	715
17	219	W5JAY	559	559	AR	jay	1201
18	221	VE5RC	549	229	SK	bruce	886
19	222	N5JUW	559	559	LA	tom	100w
20	224	N5JKY	559	559	OK	mike	300
21	225	KQ5U	559	559	TX	terry	1603
22	227	N0AR	559	559	MN	scott	1455
23	228	K10J	579	559	TX	oj	732
24	229	K5ZTY	599	559	TX	bill	473
25	230	VE6NJK	449	559	AB	niels	1239
26	231	W5SB	579	599	TX	bill	1279
27	234	VE6EWM	559	569	AB	earl	1076
28	235	K5ON	559	599	NM	gary	770
29	236	K5LN	559	559	TX	bill	5w
30	238	WW7Y	559	599	UT	steve	94
31	238	K5JHP	559	559	TX	bill	825
32	240	W5YR	559	579	TX	george	1373
33	241	KI0KY	559	559	CO	steve	1303
34	242	N4ROA	559	559	VA	dan	970
35	243	WJ7H	599	559	WA	wayne	481
36	244	W0CH	549	559	MO	dave	618
37	245	KF4AR	449	569	NC	rick	402
38	246	N9KW	559	559	IL	john	1257
39	247	N7XJW	559	559	AZ	bertie	1259
40	249	W5HNS	579	579	TX	henry	178
41	250	AA5TA	559	559	TX	larry	1245
42	251	K2VCO	449	559	CA	vic	725

43 254 AI4CW 449 359 AL don 1660
44 256 KB0YTK 579 589 CO vince 1283
45 256 WW5XX 449 559 TX jim 5w
46 258 K8CV 559 559 MI walt 935
47 300 WB6MFS 559 579 CA john 5w
48 302 N6WG 559 559 CA bob 26
49 306 NK6A 559 579 CA don 1517
50 310 WB9HFK 339 559 IL mark 1159
51 312 VE3JC 339 339 ON john 744
52 315 N5WL 449 559 OK bart 994
53 317 KQ0I 449 559 IA mark 625
54 319 AB7MY 559 599 AZ gary 571
55 320 N1TP 449 449 FL tom 1317
56 323 WS4S 339 339 TN conard 993
57 325 VE7CQK 559 559 BC paul 20
58 326 KF6CTA 559 599 CA dick 951
59 328 N0TU 449 559 CO steve 911
60 333 K5OI 559 559 NM tim 73
61 335 KU7Y 449 449 NV ron 17
62 336 AC5II 449 449 OK don 264
63 339 W6SIY 599 599 CA keith 675
64 340 N6VZ 559 579 CA gry 919
65 342 N7XJ 599 599 UT bob 1280
66 343 AB0CD 559 559 CO dick 483
67 346 AF5Z 449 559 TX bob 984
68 348 K0EVZ 558 579 ND doc 861
69 353 KK5WL 229 559 TX gary 330
70 358 WA9PWP 229 229 WI paul 127
71 400 WE6W 229 229 CA ed 1068

Date: Tue, 17 Nov 1998 08:58:54 -0800
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: <b_bradfield@yahoo.com>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [25280] Re: LEONIDS
Message-ID: <27ad01be124b\$92148ca0\$140a0a0a@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Quite the shower here in Northern California -- water, that is, rain
showers.

Cloudy and raining at 0300 PST :-(

Mike K1MG

Date: Tue, 17 Nov 1998 12:14:41 -0500 (EST)
From: Bob Patten <n4bp@bc.seflin.org>
To: "Michael A. Gipe" <mgipe@reliablemeters.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25281] Re: LEONIDS
Message-ID: <Pine.3.89.9811171257.A13575-01000000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 17 Nov 1998, Michael A. Gipe wrote:

>

> Quite the shower here in Northern California -- water, that is, rain
> showers.

>

Same if South Florida. But did manage to spot about a half dozen
meteors through holes in the clouds. They were all very quick, a second or
less. When I happened to be looking in the right direction,
a couple were spectacular.

73,

Bob Patten, N4BP (0 0) Plantation, FL
-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org
Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>
Brass Pounder BBS: (954) 472-7715

Date: Tue, 17 Nov 1998 11:23:51 -0600 (EST)
From: Jim Glover <psykey@okcforum.org>
To: homebrew@qth.net, qrp-l@Lehigh.EDU, glowbugs@piobaire.mines.uidaho.edu
Subject: [25282] Parts, stocking up, etc.
Message-ID: <199811171723.LAA01390@okcforum.org>
Content-Type: text

I've heard a few people just lately assert that electronic

components with through-the-hole leads are rapidly approaching a point of obsolescence, and that it won't be long before surface mount parts are the only game in town. It strikes me that traditional wire leads are better suited for tinkering, so I've started wondering if it might be a good idea to stock up now, while the gettin's good.

I did some electronics building when I was a teenager, but I've been away from it until beginning to pick that (and HF operating) back up again in the last couple of years. I'm a little rusty now, but I plan to (re-)learn a lot in the years to come. I now find myself wondering if maybe I should start stocking up on non-SMT parts now, if I hope to be able to enjoy that sort of play for years to come.

I realize that as SMT parts take over, more of the kits and magazine construction articles will use them. If by "building" I meant only assembling kits, and copying construction articles from recently-published magazines, I don't suppose it would matter so much (other than meaning I'd need to learn to work with SMT). But in as much as "building" can also mean copying (or modifying) construction articles from older publications, tinkering around with breadboarded circuits, or even tinkering with even more old-fashioned stuff, like tubes, it seems to me that it would be very advantageous to have a ready supply of non-SMT parts.

With these thoughts in mind, I have begun to wonder if I should plan on spending a portion of my amateur radio budget for the next couple of years or so buying up non-SMT parts in quantity, when I find them on sale. (This is probably not a bad idea as an investment in one's electronics hobbyist future, even without a pending technological change such as SMT looming on the horizon.)

What parts should I buy, in what quantities? I'd like to be able to avoid too much of goof-ups like buying 500 of something, and leaving 490 of them for my heirs to scratch their heads over as they (*shudder*) begin sifting through my junk, or worse, buying 10 of something, and realizing after it's too late that I'd be needing 500 or so of them over the years. I wish I had a better feel for this... would be nice to be able to read through a catalog with good deals on 100-packs of surplus parts, and be able to say, "Ah, now there's something I should buy 500 of at this price" vs "Nice buy, but I'd never use 100 of those in a lifetime; better save it for something more useful."

What do you think, folks? Are the SMT parts going to take over, leaving the multi-legged creatures a dying memory in the minds of a few old farts? How can a person who should have a lot more experience in 5 or 10 years buy in quantity with the wisdom of someone who already has the years and years of experience? Who are the surplus dealers I should watch? What strategies should I pursue?

Ideas, anyone?

--Jim WB5UDE

Date: Tue, 17 Nov 1998 17:27:37 GMT
From: mwattcpa@earthlink.net (Marty Watt)
To: qrp-l@lehigh.edu
Subject: [25283] (fwd) Re: [CQ-Contest] CW speed - send vs. copy - and QRP
Message-ID: <3651a46f.35854397@mail.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

This was on one of the contesting lists, and I thought those here would =
be
interested in the comments, particularly those directed at QRP ops =
(toward the
end).

Marty, KM7W

On Tue, 17 Nov 1998 10:47:29 -0500, Pete Smith <n4zr@contesting.com> =
wrote:

At 10:18 PM 11/16/98 -0800, Dan Levin wrote:

>

>Ok, I admit it. I can't copy code very fast. Maybe 15 wpm, on a good =
day,

>if I know the format of the exchange.

>

>But I got on for SS CW to help the club, and now I can imagine getting =
on in

>a very casual way for other CW contests - just to give out a Q to the

>deserving.
>
>For SS, I could hang out in the slow speed portion of 15 meters (well, =
on
>Saturday I could), and call CQ at 15 wpm. Worked great - very few folks
>called me faster than I could copy.
>
>But S&P was another matter. How to deal with folks running along at 25+=
wpm
>when I am a slow-poke?
>
>Now, I am not stupid. I wasn't trying to call folks with a pile-up - I =
was
>almost always the only person calling. Most of my S&P was Sunday, when
>everyone's rate was lousy anyway. Most ops, to their credit, did an
>excellent job of replying at a reasonable speed - they CQ at 25+, I drop=
my
>call at 15, they send me the exchange at 15.
>
>So far, so good.
>
>Now what do I do? Do I send my exchange at 15, or at 25? That is the
>question.
>
>Seems to me that I should probably send it as fast as I think they can =
copy
>(using a computer to do the sending, so the fist is good) - saves the
>running station time. But it is a small hassle for me (to change speed =
back
>and forth), and if I need to actually send by hand (for a fill, say) it =
will
>be slow (I can't send fast by hand) and if I ask them to repeat =
something, I
>want them to understand clearly that I need the reply in slow motion.
>
>Here is a chance for you serious CW types to train me - eventually I =
will
>get my speed up, but in the meantime how should I behave?

I would go ahead and send your exchange at 15 -- otherwise you risk =
exactly
the sort of confusion you describe. The time saved is minimal -- on the
order of a second or two for the difference between 15 and 25 WPM, for
cleanly sent exchanges without repeats or superfluous stuff. Often on
Sunday during SS I would call CQ at 20 WPM, be answered by a high-speed =
op,
and speed up to match him - but I can copy fast CW. Till you can, stay =
slow.

A somewhat related issue, that I find really perplexing. There are a lot of QRP stations on during SS, but I was surprised to find that the = average quality of the operating was lower than from any other group. It wasn't just new hams, either. Inaccurate hand-sent CW was the most common = problem, along with procedural boggles like sending "/" between # and Precedence, multiple unpredictable repeats, exchange in wrong order, etc. =20

It is obviously in the QRPer's best interest not to complicate the = problem caused by their (mostly) weak signals, yet many of them seemed not to realize this.=20

73, Pete N4ZR
Loud is good

--

CQ-Contest on WWW: http://www.contesting.com/_cq-contest/
Administrative requests: cq-contest-REQUEST@contesting.com

Date: Tue, 17 Nov 1998 12:52:20 -0500
From: Al Gritzmacher <ae2t@bigfoot.com>
To: qrp-l@lehigh.edu
Subject: [25284] Re: question on shortcuts in cw
Message-ID: <2.2.32.19981117175220.006b2674@localnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Date: Mon, 16 Nov 1998 08:17:49 -0500
>From: Scott Howell <whowell@hq.nasa.gov>
>To: qrp-l@lehigh.edu
>Subject: [25180] question on shortcuts in cw
>Message-ID: <3.0.5.32.19981116081749.007d2210@mail.hq.nasa.gov>
>Mime-Version: 1.0
>Content-Type: text/plain; charset="us-ascii"
>

>yup, I must be daft or there is a lingo I haven't fully learned yet. I know
>now why at times I just can't copy what someone is sending. There is a

>shortcut for many words and some I know and some I do not. Thus, if someone
>has a listing of the most common or uncommon shortcuts, please let me know.
>I think when I hear something new and I take a sec to decode its meaning,
>the qso as gone on without me and then my copy goes out the window, door,
>and elsewhere.
>
>tnx es 72/73 de Scott/n3byy
>Laurel MD

WL I DNT KNW ABT TT - JST BCUZ U CNT CPI THE ABREV U SHUD QSL. HI HI

That reminds me of a story: When I was a brand new novice, I was ready to get on the air and quite proud of my meager CW copying ability. I would get on 40 meters and call CQ and usually get someone to come back to my slow code.

Of course, my slow and probably crummy sending branded me as a new novice. I'm sure it must have because the seasoned ops invariably came back and said "SO LID COPY"

Eventually, I realized they were sending "SOLID" not calling me a LID and challenging me to keep up. 8-)

I don't know of any exhaustive list of abbreviations in common use, but I have seen several lists that seemed to be a good start. I believe there was one in the "Now You're Talking" book and there must be others that I can't remember where they were. Mostly, like my SO-LID-COPY thing, they make sense after you write them down and look at them away from the pressure of the QSO.

Hang in there, they'll start to make sense soon.

72,

Al AE2T

Date: Tue, 17 Nov 1998 11:45:32 -0600
From: ab5uacw@juno.com (Clifton W Sikes)
To: qrp-1@Lehigh.EDU
Subject: [25285] Mobile QRP.....HELP
Message-ID: <19981117.114532.6646.0.ab5uacw@juno.com>

I know several folks on the list are running mobile, and I want to play too! I've done a little with my GM20, but have trouble hearing my sidetone. I'm looking at the Alinco DX 70, and IC 706 MK II. I know

several people on the list are using the 706, but how about the DX 70?
What do you like about your rig? What do you wish was different? Sure
would like some input. I have been fascinated (sp), ever since hearing
Nick KF2PH working QRP mobile 3 yrs ago.

I have the list on postpone, so please reply direct. If you think the
list might learn something, then post it to all.

Thanks,

Clif AB5UA

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or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 17 Nov 1998 09:56:24 -0800
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: <psykey@okcforum.org>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [25286] Re: Parts, stocking up, etc.
Message-ID: <27e901be1253\$9a6c0ab0\$140a0a0a@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jim and the group --

Yes, through-hole parts will be dying off, to be replaced by SMT
stuff. The majority of newly-introduced semiconductor components are
available only in surface mount packages.

Does this mean that you should stockpile parts with leads?

A few years back, transistors started taking over the world and pushed
tubes aside. As a builder/tinkerer back then, you might have asked
yourself whether you should stockpile contemporary components, like
tubes, terminal strips, octal sockets, paper capacitors, high voltage
and filament transformers, etc. After all, these transistor things
were really only suited for use on esoteric printed circuit boards,
something which the casual experimenter could not make in his own
basement.

Suppose you did stockpile the tube era parts. Now, thirty years

later, if you enjoy tinkering with "classic" radio equipment, you would be complimenting yourself for your foresight. If, on the other hand, you want to play with Gaasfets and NE602s and LCDs, you would be taking your pile of "old junk" to the fleamarket, hoping to get one cent on the dollar from one of those "antique radio" buffs.

What will you be doing ten years from now? (Thirty years is now ten years in technological progress time) Will you be wanting to play with the latest thirty-bit direct to digital receiver project in QST? Or will you want to build the "classic" NE602 receiver design that you saw in an antique copy of QRPP that you found in somebody's attic?

If you want to play with the latest stuff that everyone is playing with, don't bother stockpiling parts. Instead, start using SMT stuff and learn how to work with it. If you want to play with the classics, buy two of everything that is commonly used today, and stash it away in your attic. If you have lots of storage space in your attic and don't plan on moving anytime soon, you can hedge your bet by buying one of everything commonly used today, and use it to trade with an antique radio buff for some really cool stuff in ten years.

Mike K1MG

Date: Tue, 17 Nov 1998 13:37:54 GMT
From: walt-k8cv@juno.com (Walter D Amos)
To: qrp-l@lehigh.edu
Subject: [25287] FOX: Thursday fox
Message-ID: <19981117.175546.-93761.0.walt-k8cv@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hounds

I will be the FOX on November 20 (GMT) time 02:00 GMT.

That is the night of November 19Thursday !!

I will start just above 7.041

I will use a BIG rig this time at 5 watts with my OHR-WM-2 watt meter.

OMNI6+, dipole (inverted V up 60') or vertical, (33' gnd mounted with 5 radials and I will switch now and then) TRLOG will do most of the work!

My start time here in the EST zone will be 9:-00 PM Will the LEONIDS help, who knows? Not me.

Walt K8CV " We're just a small subgroup of an eclectic corner of a dying hobby! "

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or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 17 Nov 1998 18:04:54 -0000
From: "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>
To: <beaks@westco.net>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [25288] Re: Rig case idea
Message-ID: <001201be1254\$cdf52320\$5ce9b094@t7w6w7>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Been using a similar idea here for years. Use black (matt) 'Fablon' self adhesive sheet, takes Letraset well too. On the down side: keep the soldering iron away as it soon melts! But you can soon repair or replace it. Best of luck with homebrewing!

.....
Frank G3YCC
GQRP Club 042
(g3ycc@g3ycc.prestel.co.uk)
Award winning QRP Web Site:
<http://www.homeusers.prestel.co.uk/g3ycc/index.html>

Date: Tue, 17 Nov 1998 11:03:45 -0700
From: Lou Martin <lmartin@uswest.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [25289] Re: Parts, stocking up, etc.

Message-ID: <3651BA81.664A17E9@clsp.uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Jim and Everyone,

I don't think you need to sweat it. Jillions of parts are available now, and less people are dumping stuff like they used to. Nowadays it seems everyone is either a buyer or a seller.

I like to keep "stuff" on hand for the next project, just in case, etc. But I figure there's lots of guys out there just like me who would like some "stuff" too. I believe we should leave some for the other guy, and

not hoard. I don't think you should buy 500 just because you need a dozen or so and the price is right.

Enough for now.

72, LOU
KCOBBE
Monument, CO

Jim Glover wrote:

> I've heard a few people just lately assert that electronic
> components with through-the-hole leads are rapidly approaching
> a point of obsolescence, and that it won't be long before
> surface mount parts are the only game in town. It strikes
> me that traditional wire leads are better suited for tinkering,
> so I've started wondering if it might be a good idea to stock
> up now, while the gettin's good.
>
> I did some electronics building when I was a teenager, but
> I've been away from it until beginning to pick that (and HF
> operating) back up again in the last couple of years. I'm
> a little rusty now, but I plan to (re-)learn a lot in the
> years to come. I now find myself wondering if maybe I
> should start stocking up on non-SMT parts now, if I hope
> to be able to enjoy that sort of play for years to come.
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> I realize that as SMT parts take over, more of the kits and
> magazine construction articles will use them. If by

> "building" I meant only assembling kits, and copying
> construction articles from recently-published magazines,
> I don't suppose it would matter so much (other than meaning
> I'd need to learn to work with SMT). But in as much as
> "building" can also mean copying (or modifying) construction
> articles from older publications, tinkering around with
> breadboarded circuits, or even tinkering with even more
> old-fashioned stuff, like tubes, it seems to me that it
> would be very advantageous to have a ready supply of non-SMT
> parts.
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> should plan on spending a portion of my amateur radio
> budget for the next couple of years or so buying up
> non-SMT parts in quantity, when I find them on sale.
> (This is probably not a bad idea as an investment in
> one's electronics hobbyist future, even without a pending
> technological change such as SMT looming on the horizon.)
>
> What parts should I buy, in what quantities? I'd like to
> be able to avoid too much of goof-ups like buying 500 of
> something, and leaving 490 of them for my heirs to scratch
> their heads over as they (*shudder*) begin sifting through
> my junk, or worse, buying 10 of something, and realizing
> after it's too late that I'd be needing 500 or so of them
> over the years. I wish I had a better feel for this...
> would be nice to be able to read through a catalog with
> good deals on 100-packs of surplus parts, and be able to
> say, "Ah, now there's something I should buy 500 of at
> this price" vs "Nice buy, but I'd never use 100 of those
> in a lifetime; better save it for something more useful."
>
> What do you think, folks? Are the SMT parts going to
> take over, leaving the multi-legged creatures a dying
> memory in the minds of a few old farts? How can a person
> who should have a lot more experience in 5 or 10 years
> buy in quantity with the wisdom of someone who already
> has the years and years of experience? Who are the
> surplus dealers I should watch? What strategies should
> I pursue?
>
> Ideas, anyone?
>
> --Jim WB5UDE

Date: Tue, 17 Nov 1998 13:13:49 EST
From: we6w@juno.com (Ed Loranger)
To: qrp-1@lehigh.edu
Subject: [25290] Fox: N/T fox try. Band Report
Message-ID: <19981117.101004.4951.0.we6w@juno.com>

Hey Gang, I put in 3 hours hunting for little
foxy from IA. Ended up going to bed with a
sore throat -- "Good News", I thought, "That
will wake me up for the hunt"...

Yeah, it woke me up an hour early :-D

During the full 2 hours I continuously searched
for Matt. Heard "Max", but it was a false start.
Then Spike, Luis, etc... Actually pretty good
activity on the band for the time. And with all
the BC interference!

The big news is my report on open frequencies and
maybe future N/T Foxes can use this.

First, this is from CA. Not sure if this applies
across the States, but here goes:

Fairly stable openings +/- 500 Hz on the folling
QRG's --
7111, 7128, 7144-7148, Oh, and sometimes 7101.
The best place to hear your QRP sig is where it
is quiet. So I kept hitting these spots, tweaking
the tuning 300 Hz every 5 to 10 seconds. The passband
is pretty tight using the Resonant Speaker so am still
getting used to something better than the Drake TR-3's
2.1 KC filters!

So instead of a simple "not heard", I thought I'd measure
the band and report on condx, maybe next time Matt.

Just wanted you to know you had company here in Northern
California.

Best operating to all,
72, Ed WE6W QRP-Z#106 <http://www.qsl.net/we6w>
Enjoying Ham Radio every day! Santa Rosa, CA.

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Date: Tue, 17 Nov 1998 12:33:31 -0600
From: Chuck Carpenter <w5usj@webwide.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, Scott Howell
<whowell@hq.nasa.gov>
Subject: [25291] Re: question on shortcuts in cw
Message-ID: <3.0.1.32.19981117123331.0068c7d4@mail.webwide.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 12:52 PM 11/17/98 -0500, Al Gritzmacher wrote:

>>Date: Mon, 16 Nov 1998 08:17:49 -0500
>>From: Scott Howell <whowell@hq.nasa.gov>
>>To: qrp-l@lehigh.edu
>>Subject: [25180] question on shortcuts in cw
>>Message-ID: <3.0.5.32.19981116081749.007d2210@mail.hq.nasa.gov>
>>Mime-Version: 1.0
>>Content-Type: text/plain; charset="us-ascii"
>>

>>yup, I must be daft or there is a lingo I haven't fully learned yet. I know
>>now why at times I just can't copy what someone is sending. There is a
>>shortcut for many words and some I know and some I do not. Thus, if someone
>>has a listing of the most common or uncommon shortcuts, please let me know.
>>I think when I hear something new and I take a sec to decode its meaning,
HI Scott,

And to other new CW ops too. There is a good summary of CW Abbreviations
in the Ham Desktop Reference that is included with the ARRL Operating
Manual. The list includes the comment to "...make it a rule not to
abbreviate unnecessarily when working an operator of unknown experience."

Many operators make up their own abbreviations too. As Al commented, copy
first then translate. If you stop to analyze the content while you are
copying, it will be more difficult to get your code speed up.

72/73, Chuck, W5USJ, Point, TX EM22cv -- ARCI #5422 QRP-L #1306

Date: Tue, 17 Nov 1998 12:31:16 -0600
From: Ed Manuel <n5em@flash.net>
To: qrp-l@lehigh.edu
Subject: [25292] 38 Special "Toy Rig"

Message-ID: <3.0.5.32.19981117123116.0090e500@pop.flash.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Jim Kortge has quit posting his 38 special progress in his sig. line. But, for those who did not notice the last time I saw it, here is what one fellow did with a "toy rig".

NorCal 38S/30 Log - 34 States; 40 Countries - Running 3 watts
Most recent - Iowa Mauritius

NorCal 38S/17 Log - 22 States; 51 Countries - Running 1.5 watts
Most recent - Alaska Ecuador

Great going, Jim. In the hands of a master, no rig is a toy.

Ed Manuel, N5EM
Houston, Texas
n5em@amsat.org
n5em@flash.net

Date: Tue, 17 Nov 1998 13:08:28 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: "Michael A. Gipe" <mgipe@reliablemeters.com>
Cc: Low Power Group <qrp-l@LeHigh.EDU>
Subject: [25293] Re: Fox: fox log, stardate 11 November, K1MG, finally
Message-ID: <Pine.LNX.3.95.981117130354.4792A-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello Mike!...many thanks for the log....one question - your contact #14 at 0215Z is down as AB7CL, Roy in MT.....I'm wondering if this might be AB7CE who is also Roy and I think qth is MT?....also ROY, AB7CE, if you're reading this, can you comment on this as well please?....

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683
"QRP! How sweet it is!"

Date: Tue, 17 Nov 1998 14:23:36 EST
From: DENNISMO@aol.com

To: qrp-1@lehigh.edu
Subject: [25294] Re: Mobile QRP.....HELP
Message-ID: <69837af0.3651cd38@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi All -

I'm with Cliff AB5UA on this mobile QRP thing. Would like to try it and maybe even join the Code Warriors. I have a Knwd 642 with 2M and 220 in my truck and I've been thinking about selling it and getting an HF/VHF rig like the 706 MKII(G) or the new Yaesu FT-100. Both rigs are new and not yet on the market, but if anyone has any comments regarding their suitability for QRP/QRO Mobile operations I'd like to hear from them. Yaesu has a "Screw-type " antenna that auto tunes with the FT-100 but it is somewhat limited on Band coverage (40M, 20M, 15M, 10M, 2M&440 - I think) Probably a Serria screw antenna would be a better choice.

BTW - still trying the head copy thing. It sure is coming sloooooooooowly. But I'm hanging in there. Ya all take care es God Bless.

72 de Denny AD6EZ<><

Date: Tue, 17 Nov 1998 11:27:27 -0800
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: "Bruce Rattray" <rattray@gpfn.sk.ca>
Cc: "Low Power Group" <qrp-1@LeHigh.EDU>
Subject: [25295] Re: Fox: fox log, stardate 11 November, K1MG, finally
Message-ID: <284b01be1260\$52f32760\$140a0a0a@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Bruce --

What sharp eyes you have! (Oops. Wrong story. That was about a wolf, not a fox)

Yes, you are right. I checked my handwritten (handscribbled?) log and AB7CE is written in lower case cursive, and I mistakenly took the 'e' as a small 'l' when I transcribed the log.

Please correct my log to read:

14 215 AB7CE 559 559 MT roy 4w

Sorry Roy.

Thanks much!

Mike K1MG

>Hello Mike!...many thanks for the log....one question - your contact
#14
>at 0215Z is down as AB7CL, Roy in MT.....I'm wondering if this might
be
>AB7CE who is also Roy and I think qth is MT?....also ROY, AB7CE, if
you're
>reading this, can you comment on this as well please?....

Date: Tue, 17 Nov 1998 13:40:23 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Bruce Rattray <rattray@gpfn.sk.ca>
Cc: Low Power Group <qrp-1@LeHigh.EDU>, QRP-Canada <qrp-canada@lists.gpfn.sk.ca>
Subject: [25296] FOX: Teams lineup (fwd)
Message-ID: <Pine.LNX.3.95.981117133215.7566A-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

...here's the latest TEAMS lineup as of Nov.24/98....they take effect for
tonight's fox hunt....please check them out and let me know if anything's
incorrect...tnx & 72 - Bruce(VE5RC+Ve5QRP)

(1) - the Vibro-Fox Finders -
- Ed - WE6W
- Ed - N4XY
- Ron - KU7Y
- Vic - K2VCO

(2) - the Fox Nabbers -
- Doc - K0EVZ
- Dave - W0CH - Leader
- Tim - W5FN

- (3) - the Northern Lights -
 - Paul - VE7CQK
 - Jeff - VA3JFF
 - Earl - VE6EWM
 - Fred - VE3FAL
 - Bruce - VE5RC
 - Jim - VE2KN
- (4) - the Kentucky Porch Houndz -
 - Rich - KA8OKH
 - Dave - NU4N
- (5) - the Swords -
 - Ron - N8VAR
 - Rick - WB6JBM/8
 - Dan - N8IE
- (6) - the Jersey Diddles -
 - Joe - N2CX
 - Tony - W2GUM
 - Kevin - N2T0
 - John - N4JS
 - George - N2APB
 - Bill - N2WF
- (7) - the Underdogs -
 - Dan - N4ROA
 - Roy - AB7CE
 - Ron - KI0II
- (8) - the Texas Tarantulas -
 - Dave - AB5WX
 - Bill - K5LN
 - Tom - N5TW
 - Henry - W5HNS
- (9) - the Brass Pounders -
 - Ed - AB8DF
 - Ed - N1FN
 - Greg - AK7Y
 - Allan - K7GT
- (10) - the Houston Hounds -
 - Bill - K5ZTY
 - Bill - W5SB
 - Terry - KQ5U
 - Dan - KK5LD
- (11) - the Team Apathy
 - Bob - AB7ST
 - Randy - K7TQ
 - Joe - AB7TT

Date: Tue, 17 Nov 1998 13:58:41 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-1@LeHigh.EDU>, QRP-Canada <qrp-canada@lists.gpfn.sk.ca>
Subject: [25297] FOX: Team scores (fwd)
Message-ID: <Pine.LNX.3.95.981117134523.9402A-1000000@neale.gpfn.sk.ca>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

....K1MG - fox hunt #11...

The 40 mtr Fox Hunt Team Scores

...the Underdogs - 7.581 - hounds -> N4ROA,AB7CE,KI0II
"CLEAN SWEEP"

...the Kentucky Porch Houndz - 7.500 - hound -> KA80KH

...the Houston Hounds - 7.400 - hounds -> K5ZTY,W5SB,KQ5U,KK5LD
"CLEAN SWEEP"

...the Vibro-Fox Finders - 7.150 - hounds -> WE6W,N7MFB,KU7Y,K2VCO

...the Fox Nabbers - 6.238 - hounds -> K0EVZ,W0CH

...the Brass Pounders - 5.500 - these hounds are hungry this time

...the Texas Tarantulas - 4.750 - hounds -> K5LN,N5TW,W5HNS

...the Northern Lights - 4.164 - hounds -> VE7CQK,VE6EWM,VE5RC

...the Swords - 3.330 - will these hounds "eat" tonight?

...the Team Apathy - 1.998 - these hounds are sure hungry.

...the Jersey Diddles - 1.532 - another pack of hungry hounds.

Date: Tue, 17 Nov 1998 14:49:27
From: Steven Weber <kd1jv@moose.ncia.net>
To: Jerry Henshaw <jerryh@webzone.net>
Cc: qrp-l@lehigh.edu
Subject: [25298] Re: 11-2-10 Kit Status
Message-ID: <3.0.3.16.19981117144927.25573f12@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Any update on when you are going to begin shipping the conversion kit?

>

>72's and See You on Ten!!

>Jerry Henshaw

>KR5L

>

Hi Jerry, et all,

Just picked up the instructions from the printer. Will spend tonight packaging the kits in mailers and will do a mass mailing tomorrow :-)

It's going to be interesting to see how this all works out and how well we do with qrp 10M AM!

72,

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Tue, 17 Nov 1998 15:30:32 -0500
From: "GREGORY HEATH" <KB2QQM@email.msn.com>
To: "QRP-L (SENDING ? TO QRP-L)" <qrp-l@Lehigh.edu>
Subject: [25299] a big thanks to everybody/qs1 maker
Message-ID: <0bdff14312011b8UPIMSSMTPUSR04@email.msn.com>

thanks to everybody for the info relating to the website that offers free software for making qs1 cards. I have been looking for awhile and tried the program out last night.. It is free and easy to use and is made for Windows 95 only. i am as happy as a bug in a rug. thanks again to everyone that provided the site for me.... www.qs1.net/wd8rif/radio.htm

Greg kb2qqm

Date: Tue, 17 Nov 1998 15:32:42 -0500
From: Richard <kt4or@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [25300] Re: question on shortcuts in cw
Message-ID: <3651DD6A.D296BC36@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

<http://www.joates.demon.co.uk/megs/N0HFF/c27.htm>

72 es CUL Richard KT4OR/QRP

QRP ARCI #9827 QRP-L #1750 FISTS # 2691 10-X # 68271
DXCC, WAC, WAS, 1000 Mile Per Watt Club

kt4or@qsl.net <http://www.qsl.net/kt4or/>

DX IS! QRP is T00!!

Date: Tue, 17 Nov 1998 16:36:23 -0500
From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [25301] Re: QRP and ears
Message-ID: <199811172137.QAA66816@pimout2-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi gang,

Tom AA2VK brought up a good point about the other station getting credit for a QRP QS0.

On my ARRL CW SS log, I gave feedback thanking all the A and B precedent stations that heard my Q station.

72 Kevin N2T0

Brooklyn, NYC
kfglynn@prodigy.net

Date: Tue, 17 Nov 1998 16:50:46 -0500
From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [25302] 4 Days Until LI/NJ-QRP Doghouse Operation Sprint
Message-ID: <199811172151.QAA22992@pimout2-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi gang,

Last year we had an excellent turn out and we hope to do the same this year. Please also if you can listen on the 40M Novice sub-band around 7.110 for Novice and Tech-Plus QRPers wanting to join in on the fun this Saturday, November 21, 1998 1700-2100 UTC.

All info in on the NJ-QRP Club's website: <http://www.njqrp.org>. If you do not have internet access e-mail me and I'll forward you the entire announcement privately.

The Amateur is Balanced...Radio is his/her hobby. He/she never allows it to interfere with any of the duties he/she owes to his/her home, his/her job, or his/her community. I think we can do both here! Join us for the second LI/NJ QRP Doghouse Operation Sprint (LI/NJDOS).

Listen for Joe N2CX, parked somewhere at a rest stop in NJ!

72 Kevin N2T0
Brooklyn, NYC
kfglynn@prodigy.net

Date: Tue, 17 Nov 1998 13:53:05 PST
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [25303] ZN414
Message-ID: <19981117215306.395.qmail@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain

Al Lasher's Electronics
510-843-5915
<http://www.allashers.com/index.htm>

Brad

Date: Tue, 17 Nov 1998 15:57:17 -0600
From: John Bohnert <johnb@elmhurst.edu>
To: tjmc@erols.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25304] Re: QRP and ears
Message-ID: <3651F13D.B165E6ED@elmhurst.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

[illegible]

```
>
> 72/3
> Tom aa2vk
```

It has taken awhile for me to move from speaking of MY accomplishment when working a rare one (I am a dyed-in-the-wool DXer who discovered QRP about a year ago) or the elusive FOX, to an understanding that in the world of QRP there are at least two op's responsible for any success I experience. Sunday morning I worked E30GA with 4W on 12M. There was a fantastic op who picked me out of the pile-up! I might be tempted to start the 'brag tapes,' but the successful QSO was the presence of a skilled op at E30GA. During the last week or so I have had the thrill of a brief partnership with K1MG and N1FN. We had a QSO in a howling

pack of hounds. We were successful, in part, because other QRP ops were willing to stand-by and listen to our/my success...there may be more than two op's who contribute to a successful QRP QSO. Love the community that is QRP! CU in the next hunt.

72 N9KW John Elmhurst, IL QRP-L 1257 NORCAL

Date: Tue, 17 Nov 1998 15:17:29 -0700 (MST)
From: James P Rybak <jrybak@mesa7.mesa.colorado.edu>
To: qrp-l@lehigh.edu
Subject: [25305] Yaesu FT-7 as QRP Rig
Message-ID: <Pine.OSF.3.91.981117151605.15942A-1000000@mesa7.mesa.colorado.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

What's the general concensus concerning the FT-7 as a QRP rig?

Thanks.

Jim Rybak W0KSD

Date: Tue, 17 Nov 1998 16:19:08 -0600
From: "Adam B. Kanis" <adam-kanis@uiowa.edu>
To: qrp-l@lehigh.edu
Cc: lha@sdr.utias.utoronto.ca
Subject: [25306] DSP - Can mere mortals do it?
Message-ID: <3.0.32.19981117161906.0068b79c@divis17.ped-gen.uiowa.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

hi all,

there have been some threads about DSP on the list, and laura, thanks for the post on the DSP EZ-KIT LITE, and about the practicalities of the dynamic range measures. i do have a question for all of you who do any DSP programming. It might get a few peoples hackles up though, but let's keep this a civilized discussion - realizing that our common thread here is QRP, not necessarily advanced mathematics.

How difficult is the programming required to get some kind of USEFUL result (example = audio bandpass filter). for example, is there an example included with the EZ-KIT LITE that can make a BPF or a LPF? I tried reading the articles on DSP a few months ago in QEX, and I couldn't get ANYTHING

practical out of it. While i would like to learn SOME of the theory, enough to know how to modify an existing program (or whatever you call the programmable part of DSP), i wasn't up to understanding the derivations of the equations in that set of articles.

Also, is the programming a programming language, or is it setting several parameters and picking equations - perhaps an example might help several of us make up our minds if we want to invest the time to learn more. a good number of us on this list can handle the electrical connections and whatever audio amplification needs to come before and after the DSP though finessing the choice of circuitry might be something we could all learn.

>Like all things, this stuff isn't magic (am I showing my
>age by quoting "extraordinary capabilities and maddening
>limitations"?). But if you're looking for something
>genuinely exciting to brush up on, consider that EZ-Kit Lite
>(board with goodies, docs, cables, software) costs \$US99.00.
>I ordered mine from Newark on a Monday, and got a package
>that Wednesday. The other DSP manufacturers (TI, Motorola,
>etc.) all offer similar boards (usually called "evaluation
>boards") at similar dirt-cheap prices.

72/73,
--adam, ak0p <--- new call!

Adam B. Kanis, AK0P
adam-kanis@uiowa.edu QTH: Wellman, IA (Near Iowa City) EN41ck
-- ARRL:RSGB:QRP-ARCI:GQRP:QRP-L:NorCal:IowaQRP:SEITS --
** On the web at <http://genome33.ped-gen.uiowa.edu/hamradio> **
=====

Date: Tue, 17 Nov 1998 17:18:04 -0500
From: "GREGORY HEATH" <KB2QQM@email.msn.com>
To: "QRP-L (SENDING ? TO QRP-L)" <qrp-l@Lehigh.edu>
Subject: [25307] Re: a big thanks to everyone for the QSL maker-whoops
Message-ID: <0759c52182211b8UPIMSSMTPUSR03@email.msn.com>

whoops incorrect url . For the correct place to go....it is
<http://users.tm.net/jjmcd/qslmake.htm>
greg

Date: Tue, 17 Nov 1998 16:17:03 -0600
From: Larry Cruise <Larry.Cruise@mci.com>
To: "'QRP-L'" <qrp-l@Lehigh.EDU>
Subject: [25308] A Tunable All-Band HF Camp/Mobile Antenna
Message-ID: <01BE1246.19126840.Larry.Cruise@mci.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The Fall edition of Communications Quarterly arrived at my QTH the other day. On page 47 is a timely article that would hold great interest for many in this group. This 11 page article is titled "A Tunable All-Bands HF Camp/Mobile Antenna.

The article compares the performance of a screwdriver type antenna mounted on a GMC Jimmy truck with a low dipole (Apex 18 Ft) , 1.7 meter magnetic loop and a helically wound antenna similar to a HamStick. This article has lots of meat to it as it compares modeled data using EZNEC/4 to actual field data. Field data was gathered using high quality Field Strength measuring equipment. Modeled data and field data compare very favorably.

This article may answer a number of questions you may have had about the performance capabilities of the above antennas. There are plenty of graphs and antenna patterns to look at while waiting to catch the Fox. You do know what a Fox is don't you. :)

-72 Larry aa5ta (West Texas)

Date: Tue, 17 Nov 1998 16:27:16 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-l@LeHigh.EDU>, QRP-Canada <qrp-canada@lists.gpfn.sk.ca>
Subject: [25309] FOX: Team scores (fwd)
Message-ID: <Pine.LNX.3.95.981117161854.32320A-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

....WA8GHZ - fox hunt #12...

The 40 mtr Fox Hunt Team Scores

...the Underdogs - 8.581 - hounds -> N4R0A,AB7CE,KI0II
"CLEAN SWEEP"

...the Houston Hounds - 8.150 - hounds -> K5ZTY,W5SB,KK5LD

...the Kentucky Porch Houndz - 8.000 - hound -> KA80KH

...the Vibro-Fox Finders - 7.950 - hounds -> WE6W,N7MFB,KU7Y,K2VCO

...the Fox Nabbers - 6.571 - hound -> K0EVZ

...the Brass Pounders - 5.500 - these hounds are hungry this time

...the Texas Tarantulas - 4.750 - hungry hounds

...the Northern Lights - 4.330 - hound -> VE2KN

...the Swords - 3.663 - hound -> N8VAR

...the Team Apathy - 2.331 - hound -> K7TQ

...the Jersey Diddles - 1.532 - another pack of hungry hounds.

Date: Tue, 17 Nov 1998 14:36:42 -0800
From: "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>
To: <pharden@aoc.nrao.edu>, "Low Power Amateur Radio Discussion" <qrp-

l@Lehigh.EDU>
Subject: [25310] Re: LEONIDS!!
Message-ID: <19981117223635.JAVI16037@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Paul et al

I went with two camera crews out to Joshua Tree National Park (it's where the KNBC weatherman said we get the best skies within driving distance) and setup around 12Midnight local time. We had taken one light intensifying lens for one of the TV cameras (green-screen). Our mission was to pull together +live+ meteor pictures (if possible) and to have them for the NBC News Sunrise program at 5am EST, and for NBC's Today Show at 7am.

The storm that was blowing into Los Angeles finally reached us with scattered clouds by 130am PST. But that time we had recorded about 12-meteors on the low-light-capable camera. We satellited the pictures to the Los Angeles bureau so they could be edited into the reports that we prepared to include in the +live+ wrapup from the desert. We went on the air at 5am EST and again at 7am EST, having seen 50-or-75 meteors. The clouds played havoc with our live pix all night and by 7am EST (4am PST) we could see no starts and we left to show a +live+ picture of the nearby town of Twenty-nine Palms with a cloud laying hanging over it framed by a few nearby rocks at our Joshua Tree listening post.

There pictures were adequate from our location but not spectacular. We saw a couple of meteors that were spectacular, but as is always the way, the camera was out of position and they had faded by the time the lens swung around.

I did tried QRP scatter contacts on 2M FM, but my methodology was woefully poor. And my equipment was minimal as well. Several times I could hear static bursts on 146.52 but never did hear a single identifiable call sign.

At 5am PST we headed home to breakfast in Yucca Valley and thence home (a horrible drive after being up all night, then hitting the LA bound traffic). The 2-hours-15-minutes it took me to reach the site as almost three-hours on the return trip.

Home by 830am and in bed for some z-z-z-z-z-z-z-z-z-z-.

Our meteor pictures might be reused on NBC Nightly News at 630pm EST (but then again, they might not get re-used---doesn't matter much, it all pays the same!).

Not much QRP in this post...if you are offended, please address me directly and not the list.

Best 72/73 to all de alan

Alan Kaul, W6RCL, LaCanada-Flintridge, CA
<http://home.att.net/~alan.kaul/qrp.html>
alan.kaul@worldnet.att.net
w6rcl@amsat.org

Date: Tue, 17 Nov 1998 17:58:56 -0800
From: k7sz@epix.net
To: qrp-l@lehigh.edu
Subject: [25311] QRP Contests
Message-ID: <365229E0.1ED1@epix.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Does anyone on this list have or maintain a current listing of the variuos QRP contests held through out the year and the QRP clubs who sponsors same?

If so, can you please e-mail me the listing?

Tnx es 73 Rich K7SZ

Date: Tue, 17 Nov 1998 18:04:56 -0800
From: k7sz@epix.net
To: qrp-l@lehigh.edu
Subject: [25312] QRP Regional Club Net Schedules
Message-ID: <36522B48.1B39@epix.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Can someone provide me with a listing of the various regional QRP clubs and their net schedules, please?

tnx es 73 Rich K8SZ

Date: Tue, 17 Nov 1998 18:17:42 -0500
From: Sam Billingsley <SBillingsley@usaninc.com>

To: k7sz@epix.net, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [25313] RE: QRP Regional Club Net Schedules
Message-ID: <21E06269B00ED111BE9B00805F6D0FA34C4E4B@MAILSERVER1>
MIME-Version: 1.0
Content-Type: text/plain

I'm looking for the same thing. The North Gerogia QRP group is considering
in 80 mtr QRP net and want to check possible conflicts.

Sam Billingsley AE4GX Atlanta, GA NOGA

> -----Original Message-----
> From: k7sz@epix.net [SMTP:k7sz@epix.net]
> Sent: Tuesday, November 17, 1998 9:05 PM
> To: Low Power Amateur Radio Discussion
> Subject: QRP Regional Club Net Schedules
>
> Can someone provide me with a listing of the various regional QRP
> clubs and their net schedules, please?
>
> tnx es 73 Rich K8SZ

Date: Tue, 17 Nov 1998 15:20:16 -0800 (PST)
From: Jim Knopf <ki7q@yahoo.com>
To: SBillingsley@usaninc.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [25314] RE: QRP Regional Club Net Schedules
Message-ID: <19981117232016.19238.rocketmail@send1e.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

When we get all the results from this, let's post it here for
everyone's benefit.

Inquiring minds want to know.

-Jim

---Sam Billingsley <SBillingsley@usaninc.com> wrote:
>
> I'm looking for the same thing. The North Gerogia QRP group is
considering
> in 80 mtr QRP net and want to check possible conflicts.
>

> Sam Billingsley AE4GX Atlanta, GA NOGA

>

>

> > -----Original Message-----

> > From: k7sz@epix.net [SMTP:k7sz@epix.net]

> > Sent: Tuesday, November 17, 1998 9:05 PM

> > To: Low Power Amateur Radio Discussion

> > Subject: QRP Regional Club Net Schedules

> >

> > Can someone provide me with a listing of the various regional QRP

> > clubs and their net schedules, please?

> >

> > tn timer 73 Rich K8SZ

>

==

Jim, KI7Q QRP-L#1689

<http://www.halcyon.com/knopf/jim>

DO YOU YAHOO!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Tue, 17 Nov 1998 15:37:53 -0800 (PST)

From: Rob Frohne <frohro@wwc.edu>

To: adam-kanis@uiowa.edu

Cc: qrp-l@Lehigh.EDU

Subject: [25315] Re: DSP - Can mere mortals do it?

Message-ID: <199811172337.PAA07535@shuksan.wwc>

MIME-Version: 1.0

Content-Type: text/plain; charset=US-ASCII

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Hi Adam,

I think the answer to your question is "Yes!" If you follow my design, very little programming is required to do things as radical as changing the demodulation from SSB to NBFM for example. It can all be done by changing the numbers in a couple of data files. I suppose there are some other tweaks that would require some modifications to the code. I found

the actual DSP programming beyond the examples to be a bit challenging, but less challenging than for example programming an application in Windows or a on a Mac. There is a little mathematical know how in coming up with the numbers in the data files, but it isn't as bad as you might think, especially if you are willing to accept someones formula.

73,

Rob

>
> hi all,
>
> there have been some threads about DSP on the list, and laura, thanks for
> the post on the DSP EZ-KIT LITE, and about the practicalities of the
> dynamic range measures. i do have a question for all of you who do any DSP
> programming. It might get a few peoples hackles up though, but let's keep
> this a civilized discussion - realizing that our common thread here is QRP,
> not necessarily advanced mathematics.
>
> How difficult is the programming required to get some kind of USEFUL result
> (example = audio bandpass filter). for example, is there an example
> included with the EZ-KIT LITE that can make a BPF or a LPF? I tried reading
> the articles on DSP a few months ago in QEX, and I couldn't get ANYTHING
> practical out of it. While i would like to learn SOME of the theory, enough
> to know how to modify an existing program (or whatever you call the
> programmable part of DSP), i wasn't up to understanding the derivations of
> the equations in that set of articles.
>
> Also, is the programming a programming language, or is it setting several
> parameters and picking equations - perhaps an example might help several of
> us make up our minds if we want to invest the time to learn more. a good
> number of us on this list can handle the electrical connections and
> whatever audio amplification needs to come before and after the DSP though
> finessing the choice of circuitry might be something we could all learn.
>
> >Like all things, this stuff isn't magic (am I showing my
> >age by quoting "extraordinary capabilities and maddening
> >limitations"?). But if you're looking for something
> >genuinely exciting to brush up on, consider that EZ-Kit Lite
> >(board with goodies, docs, cables, software) costs \$US99.00.
> >I ordered mine from Newark on a Monday, and got a package
> >that Wednesday. The other DSP manufacturers (TI, Motorola,
> >etc.) all offer similar boards (usually called "evaluation
> >boards") at similar dirt-cheap prices.
>
> 72/73,
> --adam, ak0p <--- new call!
>

>
> Adam B. Kanis, AK0P
> adam-kanis@uiowa.edu QTH: Wellman, IA (Near Iowa City) EN41ck
> -- ARRL:RSGB:QRP-ARCI:GQRP:QRP-L:NorCal:IowaQRP:SEITS --
> ** On the web at <http://genome33.ped-gen.uiowa.edu/hamradio> **
> =====
>

Date: Tue, 17 Nov 1998 15:55:04 -0800 (PST)
From: "Robert P. Okas" <vintage@best.com>
To: "Adam B. Kanis" <adam-kanis@uiowa.edu>
Cc: qrp-l@lehigh.edu
Subject: [25316] Re: DSP - Can mere mortals do it? WARNING: LONG!
Message-ID: <Pine.BSF.4.05.9811171510250.26509-100000@shell114.ba.best.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Adam and the Gang,

This is a long-winded dissertaion. If you're not interested, hit the delete key now!

DSP programming ain't all that difficult, but there is a passel of high-level mathematics behind it all. At the silicon level, DSPs are really no different than common processors. However, they've been optimized for doing a few operations with exceptional speed. Specifically, they're tuned to perform multiply/accumulate (MAC) operations in as little as one processor clock cycle. For the ADSP2181 in the EZKIT-Lite, that means one MAC every 33 nS! When you consider how common filtering algorithms work, i.e. repetitive MACs, you understand why this is important.

Another optimization is the 'zero-overhead' loop instruction, which is nothing more than a test-and-jump instruction which uses unique processor features. Dedicated hardware is used to implement instruction loops that don't use up precious clock cycles. Other enchancements over conventional microprocessors are dual address and data busses, unique I/O features, etc., which distinguish one DSP from another.

As far as programming, different processors impose different programming disciplines, some easy and some difficult. One of the easiest to use is the ADSP-21xx family. It works like a conventional microprocessor in that there is no result 'pipeline' utilized. By that, I mean that the results of an arithmetic instruction are available when the next instruction starts execution.

Some processors, notably those from Texas Instruments, utilize a pipeline because it increases overall execution speed, and that's what it's all about in the world of DSP. There are downsides to this, such as the necessity to juggle instructions so that the result of an operation is available when you need it. If a program attempts to use the result of an operation before it's available, the processor inserts internal wait states to permit the pipeline to be flushed. A performance hit is obviously incurred, but the program isn't otherwise affected.

Most DSP software vendors these days are pushing the notion of programming in the C language. Some have even claimed that Ada is almost as fast as hand-crafted assembly language. If a person is knowledgeable in any programming language, even Basic, then he/she can write DSP software. Writing fast, efficient software, like most things in life, requires skill and practice.

Here's an example, a portion of an ADSP-2181 program that implements an FIR filter:

MainInit:

```
    i0=^data;
    m0=1;
    l0=taps; {init regs. for fir }
    i4=^fir_coefs;
    m4=1;
    l4=taps; {used for pm-access i4..i7 }
```

Idle:

```
    jmp Idle;
```

```
{-----}
{ each receive interrupt (raised by ADC) starts this processing
(FIR-filtering) of the new sample and outputs the result }
```

InputSample:

```
    ena sec_reg;          {use secondary register set}
                          {get data from ADC ...}
    sr1 = ADCin;          {Input Sample from SPORT0 (codec)}
    dm(i0,m0)=sr1;        {insert sample in delay line ringbuffer }
                          {FIR-filter preparation...}
    mr=0, mx0=dm(i0,m0), my0=pm(i4,m4); {load first operands}
    cntr=taps-1;          {iterate over taps-1 loops}
```

```
    {FIR-filtering...}
```

```

        do firloop until ce;      {taps-1 iterations ...}
firloop:  mr=mr+mx0*my0(ss), mx0=dm(i0,m0), my0=pm(i4,m4);

        mr=mr+mx0*my0(rnd); {round last value,}
        if mv sat mr;        {limit on overflow}
        DACout(mr1);          {and output on DAC}

        rti;                  {return from interrupt}

```

Take this interrupt service routine, add some initialization code and you have a program that you can use over and over again for lowpass, bandpass, highpass, and notch filtering. It's written in ADSP-2181 assembly language, which appears very much like C code. You can even use /* */ to denote comment fields, although this example uses curly braces.

Although it looks like a high level language, effective programming of DSPs requires knowledge of the internal workings of the chip, much like that required by those PIC programmers among us.

Now, one thing that's obviously missing is how to get those different filter functions. I'll explain further if interest warrants.

73,
Bob - W3CD

On Tue, 17 Nov 1998, Adam B. Kanis wrote:

```

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>
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End of QRP-L Digest 1279

